

Allied Corp.

L0316550004 Cook County

ILD 001833714

Superfund/HRS

CERCLA Site Inspection Prioritization Report

EPA Region 5 Records Ctr.



288533



**Illinois Environmental
Protection Agency**

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SECTION I -- SITE BACKGROUND

1.1 INTRODUCTION

Allied Chemical Corporation was added to the Comprehensive Environmental Response, Compensation and Liability Act Inventory System (CERCLIS) April 1, 1979 as a result of the company's filing of notice under Section 103c of the Comprehensive Environment Response Compensation and Liability Act. A Preliminary Assessment was conducted September 1, 1984 and a Site Inspection (without sampling) was conducted September 23, 1986.

This Site Inspection Prioritization was conducted to determine current site conditions in order to update the status of outstanding Screening Site Inspections performed before the implementation of the revised Hazardous Ranking System. The SIP examined/evaluated the threats posed by the site and provided sufficient information to decide the future course of action.

1.2 SITE DESCRIPTION

The Allied Chemical site is located at 12260 South Carondolet Avenue, in the City of Chicago (figure 1). It is located in Section 30 of Township 37 North, Range 15 East of the Third Principal Meridian. The site covers approximately 90 acres along the east side of the Calumet River just below Turning Basin #3. The property is divided into the active and inactive portions. The active portion occupies approximately 30 acres in the northeast third of the site (figure 2). The inactive area covers the rest of the site and is zoned as MM3-3,

which is the heaviest industrial zoning allowance.

The whole site is bound by Turning Basin #3 and the Calumet River to the northwest and north. To the east is South Carondolet Avenue. To the east of South Carondolet Avenue is a large industrialized area. The southern boundary of the site is 126th street. Wolf Creek enters the site halfway along the southern property line. The creek flows northwesterly through the inactive portion of the site and discharges into the Calumet River. A baseball field lies between 126th Street and Wolf Creek. Scattered houses directly south and west of Wolf Creek give way to a residential area approximately 700 feet southwest of the site. Arrow Terminals is the west boundary (figure 3).

1.3 SITE HISTORY

The site was owned and operated from 1920 to 1981 by the Allied Chemical Company. The land was undeveloped prior to Allied Chemical. This company produced sulfuric acid, ammonium thiosulfate, aluminum chloride solution and reduced chromium sulfates, along with chemically pure acids for commercial use up to 1978. The active portion of the property was sold to Pressure Vessel Services Inc.(PVS), in 1981. PVS now produces many of the same products that Allied Chemical produced.

According to division files Arrow Terminals purchased a 500 foot wide strip along the west side of the inactive portion of the site and expanded their operations. Most of this section is now paved. The rest of the inactive portion of the site was purchased in 1990 by the

Anderson - Schroud Group, a Real Estate/ Development company. It is in this area where the three Allied Chemical landfills are located. This area ~~is~~ currently undergoing the first stages of development for an industrial complex (figure 3).

1.4 REGULATORY STATUS

During Allied Chemical's operation, numerous RCRA violations were recorded by the IEPA. According to IEPA Division files, acid spills and other chemicals have been discharged from the two outfalls (into the Calumet River). The PVS Corporation currently produces many of the same products as Allied Chemical produced and operates as a non-generator and non-handler of special waste under the Resource Conservation Recovery Act (RCRA). Wastes are treated and neutralized on site prior to off site disposal.

SECTION II -- SIP ACTIVITIES

2.1 RECONNAISSANCE ACTIVITIES

Site reconnaissance of the Allied Chemical property was conducted by members of the IEPA Site Assessment Unit (SAU) on February 24, 1995. Site access onto the PVS owned properties for reconnaissance was denied. A limited visual reconnaissance of the PVS owned property was made from the inactive portion of the site. At the north end of the PVS property a pile of yellow material within 25 feet of the Calumet River was observed. To the south of the pile patches of a yellow material covered the ground (figure 3).

The site reconnaissance of the inactive portion of the site indicated areas of bright yellow

soil discoloration, zones without vegetation, and areas of exposed lenses of yellow material up to 6 inches thick. A purple/maroonish material and a white crystalline material were found in pockets above the yellow lenses in two locations. Areas along the Calumet River seawall have been eroded by the river. Where this has occurred lenses of the yellow and purple/maroonish materials were observed (appendix C1, photo 11). A trench was excavated by the Anderson - Schroud contractors. The trench runs east/west from South Carondolet Avenue into Wolf Creek intersecting landfill number one. Building debris along with the lenses of materials mentioned above were observed (appendix C1, photo 12). A large excavation was created along the west property line. The dirt from this excavation was utilized as fill on other Anderson/Schroud Properties. No lenses or discolored soils were observed around this excavation

2.2 INTERVIEWS

Mr. Davidson from PVS Chemicals indicated that the company's legal council did not believe that the Illinois EPA's authority to conduct CERCLA activities applied to PVS Chemicals and consequently access to collect environmental samples from the PVS owned portion of the site was denied during the field sampling activities.

Telephone conversations with Don Schroud indicated that the Anderson-Schroud Development Group wished to develop the whole inactive portion of the site. Material from an excavation along the west edge of the inactive portion of the site was sampled by IEPA field personnel and was considered safe to be used as fill on other Anderson/Schroud

properties. The Army Corps of Engineers fined the Group for wetland violations and consequently allowed the wetland losses to be mitigated.

2.3 SAMPLING ACTIVITIES

CERCLA Site Inspection Prioritization sampling activities were conducted by IEPA SAU personnel on March 28 & 29, 1995. The samples were taken with a trowel or split spoon auger, in accordance with IEPA sampling practices. Six soil, eight sediment and two special waste samples were taken from various locations on the inactive portion of the site. The two special waste samples were taken to identify specific the contaminants within the specific lenses of material. The soil samples were taken to identify the extent of the contamination and to characterize the wastes. The sediment samples were taken to determine if any contaminants had migrated to an adjacent waterway. Figures 3 and 4 locate the site features and sample locations. There were no previous CERCLA sampling events.

While sampling along the mouth of Wolf Creek, the field investigation team identified a metal discharge pipe approximately 18 in diameter. The pipe was corroded through allowing the release of effluent into Wolf Creek and the Calumet River (appendix C2, photos 9-11).

2.4 SAMPLE RESULTS

"Key Samples" are analytical data obtained during the SIP that indicate observed

contamination and/or meet the Hazardous Ranking System (HRS) definition of an observed release. Table 1 identifies and describes the samples. Tables 2a and 2b identify the Key samples and their contaminants. Appendix B contains the Target Compound List and Appendix D contains the complete analytical results package. One landfill and one contaminated soil zone had contaminants including semivolatiles (Chrysene, Fluoranthene, etc), pesticides (Aroclor and Endrin) and inorganics (lead, chromium, etc.) that met or exceeded the soil/sediment RALS. Both of these areas are immediately south of the active portion of the site. The confluence of the Calumet River and Wolf Creek contained contaminants including semivolatiles (Flouranthene, pyrene, chrysene, etc.), pesticides (Aroclor-1254 and Aroclor-1260) and inorganics (arsenic and lead) that met or exceeded the soil/sediment RALS.

SECTION III -- SITE SOURCES

3.1 SOURCE DEFINITION

Four sources were identified. Three old landfills and one area of contaminated soil are located within the inactive portion of the site. The sources are believed to hold the various chemical wastes utilized by Allied Chemical. Sludges containing heavy metals were allegedly used to cover the landfills. However, during the reconnaissance, lenses of unknown materials (possibly raw sulfur, along with a purplish material), were found in areas away from the actual landfills. It is possible that large areas of the inactive portion of the site were dump & fill zones.

The first landfill is 600' X 80' and is alongside the east bank of Wolf Creek. The vegetation is stressed in this area. The trench excavated by the Anderson - Schroud contractors intersects this landfill. Yellow, purple and white crystalline materials were found along with bricks and other building debris (figure 3). Pesticides and inorganics have been identified within this source.

The second landfill is 110' X 60' and lies closer to South Carondolet Avenue. The soil above the landfill is devoid of vegetation and covered with patches of yellow on a gritty purple/maroonish material (figure 3). Semi volatiles, pesticides and inorganics have been identified within this source.

The third landfill is 400' X 40' and is located along the Calumet River west of Wolf Creek. Excavation in this area was halted when building debris and portions of an old river wall were found (figure 3). Pesticides and inorganics have been identified within this source.

The area of contaminated soil outside the southwest fence line of the active area is approximately 75' X 75' and extends to a minimum depth of six inches (figure 3). A large number of semi volatiles, pesticides and inorganic have been identified within this source.

The PVS portion of the site is completely fenced in. There are gates in the southern fence separating the active portion of the site from the inactive portion. One gate is immediately north of the contaminated soil area. There is a narrow bridge at the confluence of Wolf

Creek and Calumet River. This may have been utilized to transport the wastes to the area across Wolf Creek. None of the sources on the inactive portion of the site are contained in any way. This portion of the site has stressed vegetation or is barren due to earth moving activities over most of the area.

SECTION IV -- MIGRATION PATHWAYS

4.1 SURFACE WATER PATHWAY

The surface water pathway consists of Wolf Creek and the Calumet River. The Calumet River creates the 2200 foot long northeast border of the site. The River originates at Lake Michigan and is controlled to flow to the southwest. Wolf Creek is a perennial creek originating within the Wolf Lake - WMW Powers Conservation area approximately 4000 feet to the east. The creek then flows approximately 2000 feet through the site, discharging into the Calumet River.

The surface water 15 mile Target Distance Limit (TDL) consists of the Calumet River starting at the northwest corner of the site and flowing to the south and west and stopping just west of Cicero Avenue (appendix B, 15 mile map). There are no known surface water intakes within the 15 mile TDL. The City of Chicago obtains its drinking water from intakes on Lake Michigan which is more than 4.7 miles upstream and another three miles down the Lake Michigan shoreline. The Calumet River is an established fishery. Several designated State Natural Areas and endangered plants and animals exist along the Calumet River downstream from the site. The nearest environmentally sensitive area is approx 1.5

miles downstream.

The impacted portion of Wolf Creek is within the site and ends at the north edge. Wolf Creek is not considered a fishery. There is a wetland approximately 2000 feet long contiguous with the west bank of Wolf Creek. This wetland is being removed and its loss mitigated elsewhere. Wolf Creek was not considered as part of the 15 mile TDL because it ends within the site.

During the CERCLA SIP activities, sediment samples were only taken adjacent to the site. Seven sediment samples were taken, four samples from Wolf Creek, two from the Calumet River and one from the confluence of the two. There were observed releases and contaminants found along both waterways. Lead and arsenic met or exceeded the soil/sediment RAL's for the Wolf Creek samples. Several contaminants were found above background along the Calumet River, though none of them exceeded the soil/sediment RAL's.

4.2 SOIL EXPOSURE PATHWAY

The on-site soils generally consist of fine sands with silt and clay. The area has been modified with fill materials including slag, cinders and other materials. Six soil samples were taken to characterize the site.

A residential area of approximately 2000 people exists to the southwest of the site. There

are no known schools, daycare facilities or on site workers or residents. Several Designated State Natural Areas and endangered plants and animals exist within the four mile TDL, though none exist on or adjacent to the site. Though the area is not contained, there are no indications of public usage. The contaminated soils are most likely to migrate into the surface water pathways. The Soil Exposure pathway is a threat primarily if the developers come into contact with the soil or the soil is allowed to migrate into either waterway. Samples X 104 & X 105 from the contaminated soil source showed high levels of contaminants in each of the analytical parameters. A number of the contaminants meet or exceed the RALs.

4.3 GROUNDWATER PATHWAY

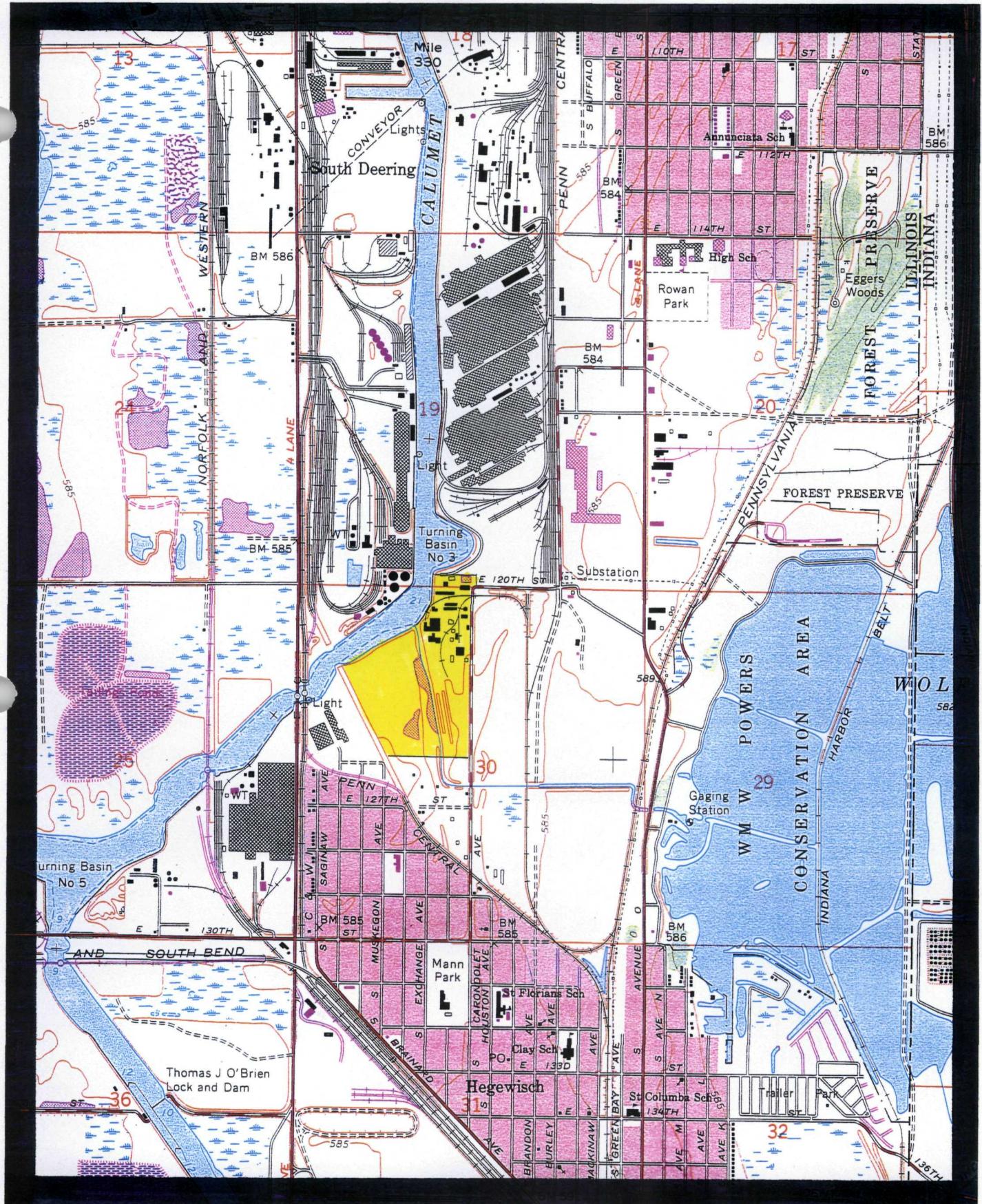
The geology of the Chicago area consists of glacial tills and outwash deposits intermixed with lacustrine, palustrine and riverine deposits over a dolomitic bedrock. The hydrologic conditions vary with the underlying materials. No groundwater samples were taken. The Groundwater pathway is not being considered because the entire area is supplied with municipal water. There are no known intake wells within the Target Distance Limit that would be exposed.

4.4 AIR PATHWAY

A residential area lies approximately 700 feet to the southwest of the site. No previous releases via the air pathway have been recorded. No air samples were taken. The contaminants are on or below the surface and are mostly cinder or sand sized particles and not likely to migrate except with excessive winds.



FIGURE 1



SITE LOCATION MAP



FIGURE 2

SITE LAYOUT MAP

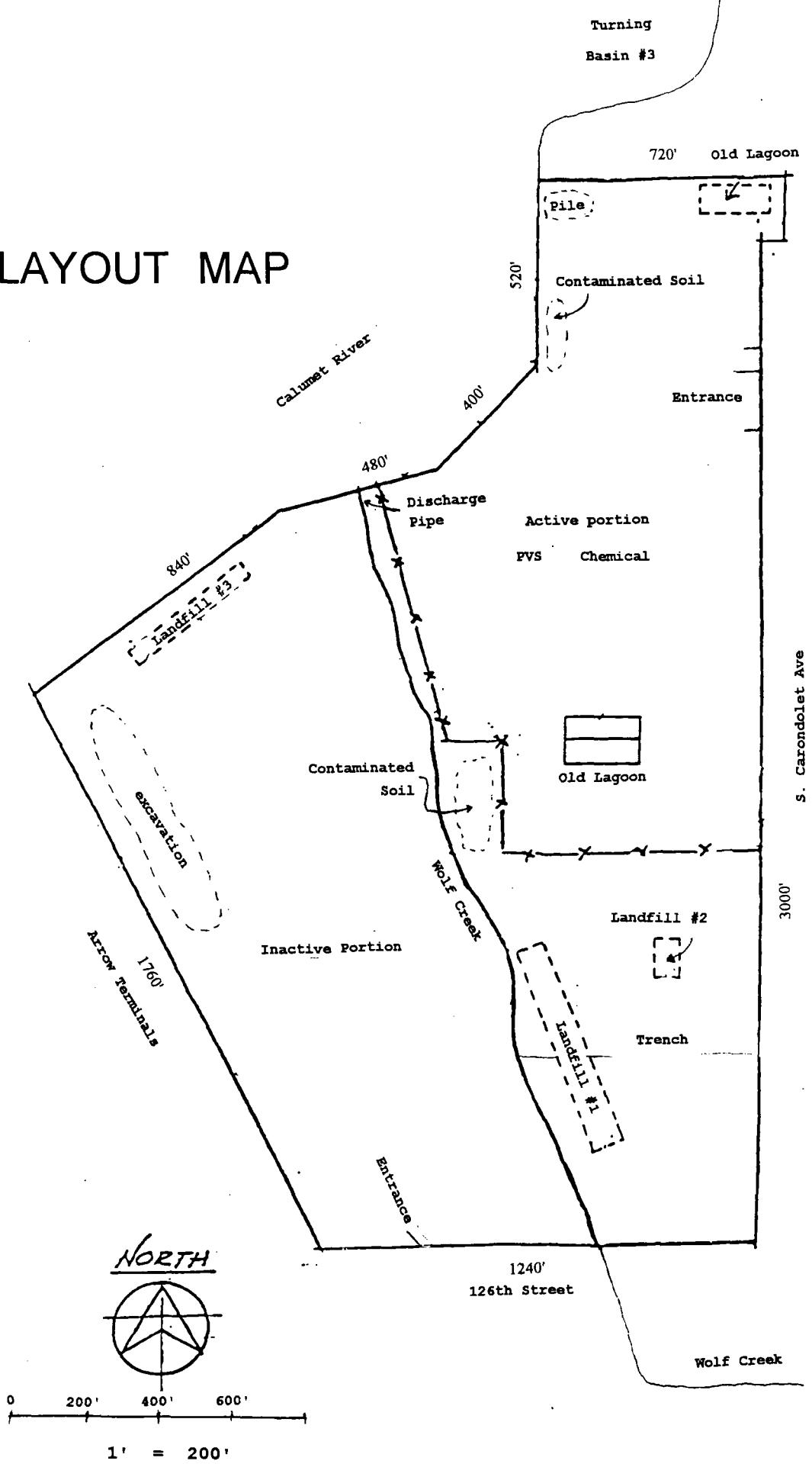


FIGURE 3

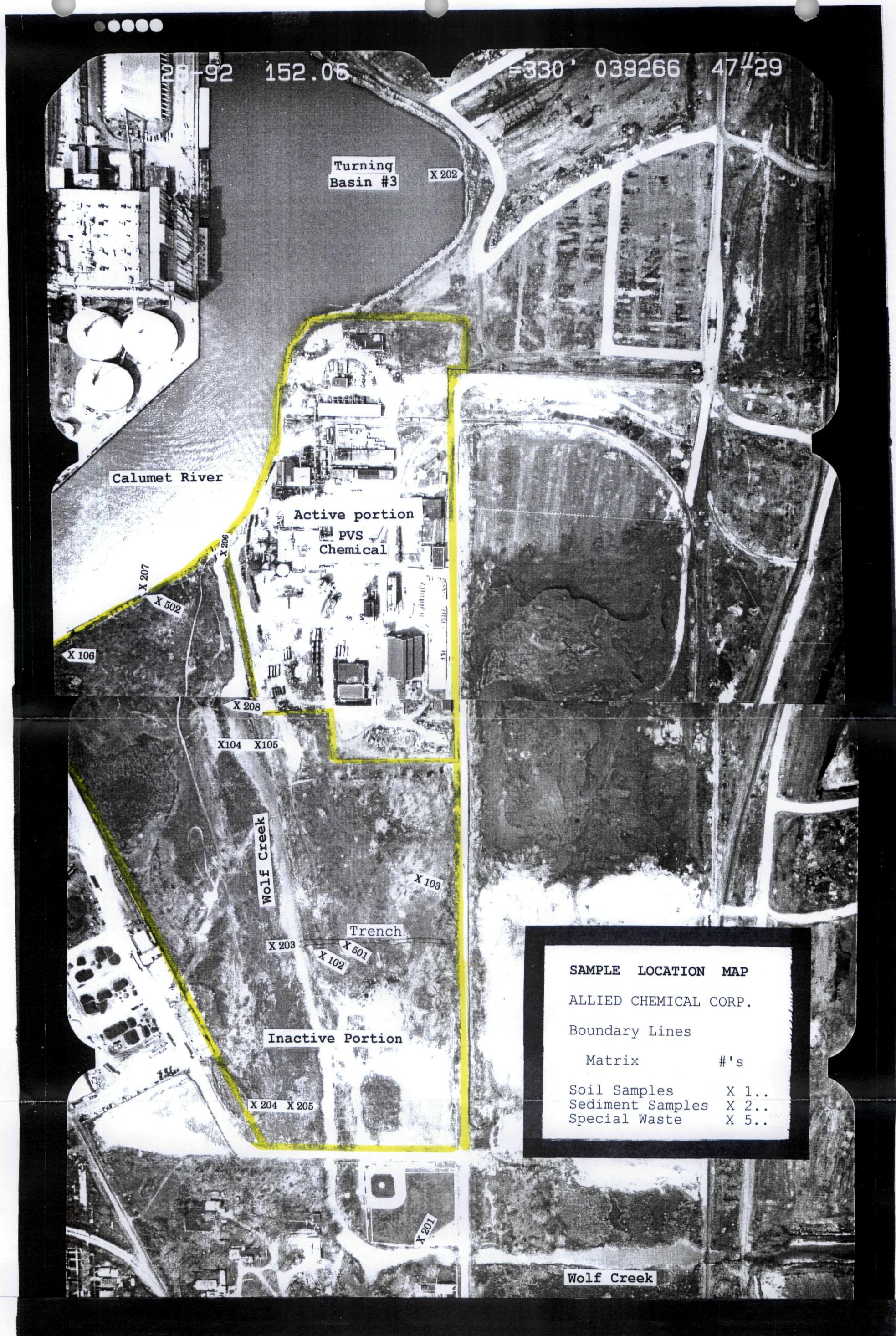


FIGURE 4

TABLE 2- SOIL/SEDIMENT DESCRIPTIONS

SAMPLE	DEPTH	APPEARANCE	LOCATION	JUSTIFICATION
X101	0" - 4"	Black silt loam	500ft E of Avenue O and 36'N of W bound access Rd at WMW Powers Conservation Area	Background sample
X102	0" - 4"	Grey & Black silt/sand with cinders	48' from E edge Wolf Creek & 132" N of 126th St.	Characterize landfill #1 Identify contamination to Wolf Creek
X103	0" - 4"	Wht/maroon/yellow powdery to gritty	207'W of S. Carondolet 776'N of 126th Street	Characterize landfill # 2
X104 & X105	0" - 6"	Yellow/maroon/black gritty material	77'E of Wolf Creek 150'S of southern PVS fenceline	Characterize contaminated soil zone Duplicate samples
X106	4" - 6"	Dark brown/black silty loam	64'E of Arrow Terminals property 8' south of Calumet River	Characterize landfill #3
X501	0" - 6" along trench wall	yellow, maroon, white, green materials in composite	Collected from N wall of trench at intersection of landfill # 1	Special characteristic sample to determine constituents of landfill materials
X502	0" - 4" along side wall	Yellow & maroon lenses w/ wht nodules between lenses	15' S of N edge of Calumet River wall 290' west of Wolf Creek	Special characteristic sample to determine constituents of lenses
X201	0" - 10" 5" below water	Dark grey silty clay	75'W of S. Carondolet Ave. 2' from N bank of Wolf Creek	Wolf Creek Background
X202	0" - 6" 2-3" below water	Dark grey silty sand/gravel	East side of Turning Basin #3 at center of basin	Calumet River Background
X203	0" - 12" at waterline	Grey silt w/ sand organic materials highly decomposed	At delta of trench and Wolf Creek 3' out onto delta in center of delta	Collected on delta to identify if materials are migrating to Wolf Creek
X204 & X205	0" - 12" 4" below water	grey/black fine sands fine sheen present	70'N of 126th St. bridge on west bank of Wolf Creek	Collected at start of the wetland to determine if the wetlands have been impacted Duplicate samples
X206	0" - 6" 12" below water	sand and cindery silt fine sheen present	64' S of Calumet River in Wolf Creek On E bank of Wolf Creek	Collected at confluence of Calumet River & Wolf Creek to determine if materials are migrating
X207	0" - 6" at surface	purple/maroonish colored silty sand	Collected in same area as X502 3' S of Riverwall 270' W of Wolf Creek	Collected where riverwall fill has been eroded exposing lenses. To determine if materials are migrating to Calumet River
X208	0" - 6" 6" below water	grey silty clay with plant materials	Collected on Wolf Creek 375' S of Calumet R 2' E of West shore of Wolf Creek	To establish the wetland boundaries

SAMPLE KEY	
X 1..	Soil
X 2..	Sediment
X 5..	Special Waste Characteristic

SITE NAME: ALLIED CHEMICAL
ILD NUMBER: 001833714

Source and Soil		Samples							
SAMPLING POINT	X 101 3-28-95	X 102 3-28-95	X 103 3-28-95	X 104 3-28-95	X 105 3-28-95	X 106 3-28-95	X 501 3-28-95	BENCHMARKS	
PARAMETER	soil background							SCDMs	RALs
VOLATILES (ppm)									
1,1,1-Trichloroethane	4 J		17	14	16	7 J	18		
SEMIVOLATILES (ppm)									
Phenanthrene	350 U		3100	7500	8800		680		500-1000
Anthracene	600 U			1500 J	1400 J				500-1000
Carbazole	600 U			710 J	660 J				
Fluoranthene	940		4200	10000	11000				500-1000
Pyrene	690		2400	5800	5400			1.70E+04	500-1000
Benzo(a)anthracene	630		2100	6100	6500				500-1000
Chrysene	630		2400	11000	13000				500-1000
bis(2-Ethylhexyl)phthalate	600 UJ		940 J		1100 J				12000
Benzo(b)fluoranthene	1200		3700	8500	10000				
Benzo(k)fluoranthene	600 U			5400	7200				500-1000
Benzo(a)pyrene	730			3800	3900				500-1000
Indeno(1,2,3-cd)pyrene	600 U			2200 J	2500 J				500-1000
PESTICIDES (ppm)									
alpha-BHC	3.1 U			20 JP	19 DJ				
delta-BHC	3.1 U		110 PD						
Dieldrin	0.7 JP	3.1 JP				7.9 P			
Endrin	6.1 P	18 P	120 PD	110 PD	110 PD	11 P		1.70E+02	230
Endosulfan II	6 U		50 U			20		2.90E+01	39
4,4'-DDD	6.9			77 PD				2.40E+00	710
Endosulfan sulfate	6 U		50 U	39 JP	31 JPD				
4,4'-DDT	7.1 P		87 PD	120 PD	100 PD	15 P		1.70E+00	390
Endrin Ketone	6 U		38 JPD						
Endrin aldehyde	6 U		21 JPD						
alpha-Chlordane	3.1 U	16							47
gamma-Chlordane	3.1 U	6.4 P		24 PD	23 PD				47
Aroclor-1254	60 U	300	1500 D	1000 D	1000 D	250 P			22
Aroclor-1260	73	230	1000 PD	1800 D	1700 D	510			22
INORGANICS (ppm)									
Antimony	9.3 U	10.6	16.2	12.5	13.6		15.2	2.30E+02	310
Arsenic	7.4		24			44.3	342	3.20E+01	8-200
Barium	93.9		701	339	361				
Cadmium	1.4 U	14.7		3		2.2		2.90E+02	25
Chromium	65.2	2660							200-400
Copper	37.3 J	151 J					22000 J		5000
Iron	20900 J	122000 J					50400 J		
Lead	98.5 J	374 J	1110 J	1570 J	2760 J		3130 J		500-1000
Mercury	0.1 B		3.8	7.27	7.5		3.81 J	1.70E+02	1600
Nickel	24 J	90.7 J						1.20E+04	1600
Selenium	1.72 UJ		7.1	188	67.3		2.84	1.70E+03	2300
Silver	1.6 U	4.9	3.6	8.7	8.7		10.7	1.70E+03	2300
Vanadium	31.7	168							
Zinc	259 J					1290 J	7450 J	1.20E+05	160000
Cyanide	0.94 U	1.1	1.6	1.2					-338

Table 2a

SITE NAME: ALLIED CHEMICAL
ILD NUMBER: 001833714

SAMPLING POINT PARAMETER	Wolf	Creek	Sediment	Samples		Calumet	River	Sediment	Samples		BENCHMARKS SCDMs RALs
	X 201 3-28-95 Wolf Creek background	X 203 3-28-95	X 204 3-28-95	X 205 3-28-95	X 208 3-28-95	X 202 3-28-95 Calumet River background	X 207 3-28-95	X 502 3-28-95	X 206 3-28-95	confluence	
VOLATILES (ppm)						3.0 J		19.0		7.80E+01	
Methylene Chloride	5.0 J					13.0 UJ			32.0 UJ	5.80E+04	
Acetone	16.0 UJ	53.0 J	22.0 J	23.0 J		13.0 U					
2-Butanone (MEK)	16.0 UJ	21.0 J									
SEMIVOLATILES (ppm)											
Phenanthrene	240.0 J					240.0 U		290.0 J	1300.0		500-1000
Fluoranthene	330.0 J					200.0 J	380.0 J	540.0	2400.0		500-1000
Pyrene	230.0 J					100.0 J		350.0 J	1500.0		500-1000
Benzo(a)anthracene	200.0 J					430.0 U			1400.0		500-1000
Chrysene	210.0 J					430.0 U		500.0	1400.0		500-1000
Benzo(b)fluoranthene	270.0 J					430.0 U	470.0	570.0	1100.0		
Benzo(k)fluoranthene	530.0 U					430.0 U			980.0		500-1000
Benzo(a)pyrene	140.0 J					430.0 U			950.0		500-1000
PESTICIDES (ppm)											
Dieldrin	0.2 JP	0.6 JP				0.1 JP		1.6 JP	5.5 P		11
Endrin	3.4 J					4.3 U			41.0	1.70E+02	230
Endosulfan II	5.3 U					4.3 U			15.0 P	2.90E+01	39
4,4'-DDD	9.4					4.3 U		11.0	27.0 P	2.40E+00	710
Endosulfan sulfate	5.3 U					4.3 U			8.2 P		
4,4'-DDT	1.2 JP					4.3 U	7.2	58.0 P		1.70E+00	390
Endrin Ketone	5.3 U					4.3 U		12.0 P			
Aroclor-1254	35.0 J					43.0 U			430.0		22
Aroclor-1260	51.0 JP					53.0 P		160.0	660.0		22
INORGANICS (ppm)											
Arsenic	6.1 J	29.9		155.0	7.5	74.5	33.0	141.0	3.20E+01	8-200	
Barium	248.0				76.8			135.0			
Cadmium	1.4 U	14.2		14.1	1.2 U			2.6	2.90E+02		25
Copper	16.0 J	159.0 J		286.0 J	22.2 J			159.0 J			5000
Iron	6500.0 J			51700.0 J	17400.0 J	90700.0 J	80100.0 J	81900.0 J			
Lead	93.9 J	1240.0 J		473.0 J	118.0 J			14100.0 J		500-1000	
Mercury	0.1 B			1.4 J	0.0 B			2.4 J	1.70E+02		1600
Nickel	3.8 UJ	12.9 J		46.2 J	11.2 J			16.8 J	1.20E+04		1600
Selenium	0.6 UJ			4.6 J	1.2 UJ			10.1	1.70E+03		2300
Silver	1.6 U				1.5 U	2.1 B	2.8	2.7	1.70E+03		2300
Thallium	0.4 U			1.3 B	0.3 U						55
Zinc	144.0 J	8790.0 J		3890.0 J	190.0 J			1270.0 J	1.20E+05		180000
Cyanide	0.9 U			2.8	0.6 U						12-350

Table 2b

APPENDIX A

SDMS US EPA Region V

Imagery Insert Form



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Appendix A – Site 4-Mile Radius Map & Site 15-Mile Radius Map

Document is available at the EPA Region 5 Records Center.

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APPENDIX B

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chloride	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroethene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene

2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Indeno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

N	Not used.	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
W	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

APPENDIX C

DATE: February 24, 1995

TIME: 1:10 pm

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO # 11

LOCATION: Chicago, IL

. Allied Chemical

. Cook County

. ILD# 001833714

PICTURE TAKEN TOWARD
the south southwest.

. Shows lenses of potential
contaminants. Photo
. taken along broken river
. wall (see photo #10).
. Inactive area of site.



DATE: February 24, 1995

TIME: 1:25 pm

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO NUMBER: 12

LOCATION: Chicago, IL

. Allied Chemical

. Cook County

ILD# 001833714

PICTURE TAKEN TOWARD
the north.

. Shows potential contaminant
. in a trench on east side
. of Wolf Creek.

. Inactive area of site.



DATE: March 28, 1995

TIME: 11:45 am

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO # 9

LOCATION: X 208

Allied Chemical
Chicago, Cook County, IL
ILD# 001833714

PICTURE TAKEN TOWARD
the north.

Sediment sample taken just
before confluence of Wolf
Creek & Calumet River.

NOTE: outfall pipe



DATE: March 28, 1995

TIME: 11:45 am

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO NUMBER: 10

LOCATION: X 206

Allied Chemical
Chicago, Cook County, IL
ILD# 001833714

PICTURE TAKEN TOWARD
the south.

Sediment sample taken near
confluence of Wolf Creek.
& Calumet River.

NOTE: outfall pipe.



DATE: March 28, 1995

TIME: 11:45 am

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO # 11

LOCATION: at X 206

. Allied Chemical

Chicago, Cook County, IL

ILD# 001833714

PICTURE TAKEN TOWARD
the west.

Photo shows breech in
. outfall pipe flowing
. into Calumet River.
See photo #'s 9 & 10



DATE: March 28, 1995

TIME: 12:15 pm

PHOTOGRAPH TAKEN BY:

. Ted Prescott

PHOTO NUMBER: 12

LOCATION: X 208

. Allied Chemical

Chicago, Cook County, IL

ILD# 001833714

PICTURE TAKEN TOWARD
the north.

. Sediment sample taken on
Wolf Creek at north edge.
of wetland.

. NOTE: tires in creek.



APPENDIX D

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chloride	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroethene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene

2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

N	Not used.	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
W	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

TABLE 2- SOIL/SEDIMENT DESIGNS

SAMPLE	DEPTH	APPEARANCE	LOCATION	JUSTIFICATION
X101	0" - 4"	Black silt loam	500ft E of Avenue O and 36'N of W bound access Rd at WMW Powers Conservation Area	Background sample
X102	0" - 4"	Grey & Black silt/sand with cinders	48' from E edge Wolf Creek & 132" N of 126th St.	Characterize landfill #1 Identify contamination to Wolf Creek
X103	0" - 4"	Wht/maroon/yellow powdery to gritty	207'W of S. Carondolet 776'N of 126th Street	Characterize landfill # 2
X104 & X105	0" - 6"	Yellow/maroon/black gritty material	77'E of Wolf Creek 150'S of southern PVS fenceline	Characterize contaminated soil zone Duplicate samples
X106	4" - 6"	Dark brown/black silty loam	64'E of Arrow Terminals property 8' south of Calumet River	Characterize landfill #3
X501	0" - 6" along trench wall	yellow, maroon, white, green materials in composite	Collected from N wall of trench at intersection of landfill # 1	Special characteristic sample to determine constituents of landfill materials
X502	0" - 4" along side wall	Yellow & maroon lenses w/ wht nodules between lenses	15' S of N edge of Calumet River wall 290' west of Wolf Creek	Special characteristic sample to determine constituents of lenses
X201	0" - 10" 5" below water	Dark grey silty clay	75'W of S. Carondolet Ave. 2' from N bank of Wolf Creek	Wolf Creek Background
X202	0" - 6" 2-3" below water	Dark grey silty sand/gravel	East side of Turning Basin #3 at center of basin	Calumet River Background
X203	0" - 12" at waterline	Grey silt w/ sand organic materials highly decomposed	At delta of trench and Wolf Creek 3' out onto delta in center of delta	Collected on delta to identify if materials are migrating to Wolf Creek
X204 & X205	0" - 12" 4" below water	grey/black fine sands fine sheen present	70'N of 126th St. bridge on west bank of Wolf Creek	Collected at start of the wetland to determine if the wetlands have been impacted Duplicate samples
X206	0" - 6" 12" below water	sand and cindery silt fine sheen present	64' S of Calumet River in Wolf Creek On E bank of Wolf Creek	Collected at confluence of Calumet River & Wolf Creek to determine if materials are migrating
X207	0" - 6" at surface	purple/maroonish colored silty sand	Collected in same area as X502 3' S of Riverwall 270' W of Wolf Creek	Collected where riverwall fill has been eroded exposing lenses. To determine if materials are migrating to Calumet River
X208	0" - 6" 6" below water	grey silty clay with plant materials	Collected on Wolf Creek 375' S of Calumet R 2' E of West shore of Wolf Creek	To establish the wetland boundaries

SAMPLE KEY	
X 1..	Soil
X 2..	Sediment
X 5..	Special Waste Characteristic

SITE NAME: ALLIED CHEMICAL
ITEM NUMBER: 001833714

SAMPLING POINT PARAMETER	Source and soil background	Soil Samples						BENCHMARKS SCDMs RALs	
		X 101 3-28-95	X 102 3-28-95	X 103 3-28-95	X 104 3-28-95	X 105 3-28-95	X 106 3-28-95		
VOLATILES (ppm)									
1,1,1-Trichloroethane	4 J		17	14	16	7 J	18		
SEMIVOLATILES (ppm)									
Phenanthrene	350 U		3100	7500	6800		680	500-1000	
Anthracene	600 U			1500 J	1400 J			500-1000	
Carbazole	600 U			710 J	660 J				
Fluoranthene	940		4200	10000	11000			500-1000	
Pyrene	690		2400	5800	5400			1.70E+04	500-1000
Benzo(a)anthracene	630		2100	6100	6500			500-1000	
Chrysene	630		2400	11000	13000			500-1000	
bis(2-Ethylhexyl)phthalate	600 UJ		940 J		1100 J			12000	
Benzo(b)fluoranthene	1200		3700	8500	10000				
Benzo(k)fluoranthene	600 U			5400	7200			500-1000	
Benzo(a)pyrene	730			3800	3900			500-1000	
Indeno(1,2,3-cd)pyrene	600 U			2200 J	2500 J			500-1000	
PESTICIDES (ppm)									
alpha-BHC	3.1 U			20 JP	19 DJ				
delta-BHC	3.1 U		110 PD						
Dieldrin	0.7 JP	3.1 JP				7.9 P			
Endrin	6.1 P	18 P	120 PD	110 PD	110 PD	11 P		1.70E+02	230
Endosulfan II	6 U		50 U			20		2.90E+01	39
4,4'-DDD	6.9			77 PD				2.40E+00	710
Endosulfan sulfate	6 U		50 U	39 JP	31 JPD				
4,4'-DDT	7.1 P		87 PD	120 PD	100 PD	15 P		1.70E+00	390
Endrin Ketone	6 U			38 JPD					
Endrin aldehyde	6 U			21 JPD					
alpha-Chlorodane	3.1 U	16						47	
gamma-Chlorodane	3.1 U	6.4 P		24 PD	23 PD			47	
Aroclor-1254	60 U	300	1500 D	1000 D	1000 D	250 P		22	
Aroclor-1260	73	230	1000 PD	1800 D	1700 D	510		22	
INORGANICS (ppm)									
Antimony	9.3 U	10.6	16.2	12.5	13.6		15.2	2.30E+02	310
Arsenic	7.4		24			44.3	342	3.20E+01	8-200
Barium	93.9		701	339	361				
Cadmium	1.4 U	14.7		3		2.2		2.90E+02	25
Chromium	65.2	2660						200-400	
Copper	37.3 J	151 J					22000 J	5000	
Iron	20900 J	122000 J					50400 J		
Lead	98.5 J	374 J	1110 J	1570 J	2760 J		3130 J	500-1000	
Mercury	0.1 B		3.8	7.27	7.5		3.81 J	1.70E+02	1600
Nickel	24 J	90.7 J						1.20E+04	1600
Selenium	1.72 UJ		7.1	188	67.3		2.84	1.70E+03	2300
Silver	1.6 U	4.9	3.6	8.7	8.7		10.7	1.70E+03	2300
Vanadium	31.7	168				1290 J	7450 J	1.20E+05	160000
Zinc	259 J							-338	
Cyanide	0.94 U	1.1	1.6	1.2					

Table 2a

SITE NAME: ALLIED CHEMICAL
ILD NUMBER: 001833714

SAMPLING POINT	Wolf Creek background	Wolf	Creek	Sediment	Samples	Calumet	River	Sediment	Samples	BENCHMARKS	
		X 201 3-28-95	X 203 3-28-95	X 204 3-28-95	X 205 3-28-95	X 208 3-28-95	X 202 3-29-95 Calumet River background	X 207 3-28-95	X 502 3-28-95	X 206 3-28-95 confluence	
VOLATILES (ppm)											
Methylene Chloride	5.0 J					3.0 J		19.0		7.80E+01	
Acetone	16.0 UJ	53.0 J	22.0 J	23.0 J		13.0 UJ			32.0 UJ	5.80E+04	
2-Butanone (MEK)	16.0 UJ	21.0 J				13.0 U					
SEMIVOLATILES (ppm)											
Phenanthrene	240.0 J					240.0 U		290.0 J	1300.0		500-1000
Fluoranthene	330.0 J					200.0 J	380.0 J	540.0	2400.0		500-1000
Pyrene	230.0 J					100.0 J		350.0 J	1500.0		500-1000
Benzo(a)anthracene	200.0 J					430.0 U			1400.0		500-1000
Chrysene	210.0 J					430.0 U		500.0	1400.0		500-1000
Benzo(b)fluoranthene	270.0 J					430.0 U	470.0	570.0	1100.0		
Benzo(k)fluoranthene	530.0 U					430.0 U			980.0		500-1000
Benzo(a)pyrene	140.0 J					430.0 U			950.0		500-1000
PESTICIDES (ppm)											
Dieldrin	0.2 JP	0.6 JP				0.1 JP		1.6 JP	5.5 P		11
Endrin	3.4 J					4.3 U			41.0	1.70E+02	230
Endosulfan II	5.3 U					4.3 U			15.0 P	2.90E+01	39
4,4'-DDD	9.4					4.3 U		11.0	27.0 P	2.40E+00	710
Endosulfan sulfate	5.3 U					4.3 U			8.2 P		
4,4'-DDT	1.2 JP					4.3 U	7.2	58.0 P		1.70E+00	390
Endrin Ketone	5.3 U					4.3 U		12.0 P			
Aroclor-1254	35.0 J					43.0 U			430.0		22
Aroclor-1260	51.0 JP					53.0 P		160.0	660.0		22
INORGANICS (ppm)											
Arsenic	6.1 J	29.9		155.0		7.5	74.5	33.0	141.0	3.20E+01	8-200
Barium	248.0					76.8			135.0		
Cadmium	1.4 U	14.2		14.1		1.2 U			2.6	2.90E+02	25
Copper	16.0 J	159.0 J		286.0 J		22.2 J			159.0 J		5000
Iron	6500.0 J			51700.0 J	17400.0 J	90700.0 J	80100.0 J	81900.0 J			
Lead	93.9 J	1240.0 J		473.0 J	118.0 J			14100.0 J		500-1000	
Mercury	0.1 B			46.2 J	11.2 J				2.4 J	1.70E+02	1600
Nickel	3.8 UJ	12.9 J		4.6 J	1.2 UJ				16.8 J	1.20E+04	1600
Selenium	0.6 UJ					1.5 U	2.1 B	2.8	10.1	1.70E+03	2300
Silver	1.6 U					0.3 U			2.7	1.70E+03	2300
Thallium	0.4 U			1.3 B	0.3 U						55
Zinc	144.0 J	8790.0 J		3890.0 J	190.0 J			1270.0 J	1.20E+05	160000	
Cyanide	0.9 U			2.8	0.6 U						12-350

Table 2b

VOLATILE FRACTION

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

X102

1,1,1-Trichloroethane coelutes with a TIC.

X205

Acetone coelutes with a TIC.

X206

Acetone coelutes with a TIC.

Methylene Chloride coelutes with a TIC.

X207

Methylene Chloride coelutes with a TIC.

X208

Acetone coelutes with a TIC.

Methylene Chloride coelutes with a TIC.

SEMIVOLATILE FRACTION

X101

Due to a software problem the library match for benzo(a)pyrene was printed instead of the spectrum from the standard run.

X102

Due to a software problem the library match for benzo(a)pyrene was printed instead of the spectrum from the standard run.

X104

Due to a software problem the library match for benzo(ghi)perylene was printed instead of the spectrum from the standard run.

X201

Due to a software problem the library match for benzo(a)pyrene was printed instead of the spectrum from the standard run.

X207

Due to a software problem the library match for benzo(a)pyrene was printed instead of the spectrum from the standard run.

X502

Due to a software problem the library match for benzo(a)pyrene was printed instead of the spectrum from the standard run.

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

X101

Benzo(b)fluoranthene coelutes with a TIC.

Benzo(a)pyrene coelutes with a TIC.

X102

Benzo(b)fluoranthene coelutes with a TIC.

Benzo(a)pyrene coelutes with a TIC.

000002

X103

2-Methylnaphthalene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Indeno(1,2,3-cd)pyrene coelutes with a TIC.
Benzo(ghi)perylene coelutes with a TIC.

X103DL

Bis(2-ethylhexyl) phthalate coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X104

Fluoranthene coelutes with a TIC.
Pyrene coelutes with a TIC.
Benzo(a)anthracene coelutes with a TIC.
Chrysene coelutes with a TIC.
Bis(2-ethylhexyl) phthalate coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Indeno(1,2,3-cd)pyrene coelutes with a TIC.
Benzo(ghi)perylene coelutes with a TIC.

X104DL

Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Indeno(1,2,3-cd)pyrene coelutes with a TIC.

X105

Fluoranthene coelutes with a TIC.
Pyrene coelutes with a TIC.
Chrysene coelutes with a TIC.
Bis(2-ethylhexyl) phthalate coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Benzo(ghi)perylene coelutes with a TIC.

X105DL

Bis(2-ethylhexyl) phthalate coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Indeno(1,2,3-cd)pyrene coelutes with a TIC.

X106

Benzo(b)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X201

Benzo(a)anthracene coelutes with a TIC.
Chrysene coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X203

Benzo(b)fluoranthene coelutes with a TIC.

X204

Benzo(a)anthracene coelutes with a TIC.
Chrysene coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.

X207

Benzo(a)pyrene coelutes with a TIC.

000003

X501

Benzo(b)fluoranthene coelutes with a TIC.

**502

Benzo(a)pyrene coelutes with a TIC.

PESTICIDE FRACTION

No problems to report.

Celeste Crowley 5/5/95
Celeste Crowley Date
Pesticide Supervisor

Gary Germann 5/5/95
Gary Germann Date
GC/MS Supervisor

John Hurley 5/5/95
John Hurley Date
Laboratory Manager

000004

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X101

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580187

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0404BK04

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 45

Date Analyzed: 04/04/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	18	U
74-83-9-----Bromomethane	18	U
75-01-4-----Vinyl Chloride	18	U
75-00-3-----Chloroethane	18	U
75-09-2-----Methylene Chloride	31	<u>B</u>
67-64-1-----Acetone	18	U
75-15-0-----Carbon Disulfide	18	U
75-35-4-----1,1-Dichloroethene	18	U
75-34-3-----1,1-Dichloroethane	18	U
540-59-0-----1,2-Dichloroethene (total)	18	U
67-66-3-----Chloroform	18	U
107-06-2-----1,2-Dichloroethane	18	U
78-93-3-----2-Butanone	18	U
71-55-6-----1,1,1-Trichloroethane	4	J
56-23-5-----Carbon Tetrachloride	18	U
75-27-4-----Bromodichloromethane	18	U
78-87-5-----1,2-Dichloropropane	18	U
10061-01-5-----cis-1,3-Dichloropropene	18	U
79-01-6-----Trichloroethene	18	U
124-48-1-----Dibromochloromethane	18	U
79-00-5-----1,1,2-Trichloroethane	18	U
71-43-2-----Benzene	18	U
10061-02-6-----trans-1,3-Dichloropropene	18	U
75-25-2-----Bromoform	18	U
108-10-1-----4-Methyl-2-Pentanone	18	U
591-78-6-----2-Hexanone	18	U
127-18-4-----Tetrachloroethene	18	U
79-34-5-----1,1,2,2-Tetrachloroethane	18	U
108-88-3-----Toluene	18	U
108-90-7-----Chlorobenzene	18	U
100-41-4-----Ethylbenzene	18	U
100-42-5-----Styrene	18	U
1330-20-7-----Xylene (total)	18	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580187

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0404BK04

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 45 Date Analyzed: 04/04/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004 X101Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580187Sample wt/vol: 30.00 (g/mL) G Lab File ID: B0419E11Level: (low/med) LOW Date Received: 03/30/95% Moisture: 45 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	600 U
111-44-4-----	bis(2-Chloroethyl)Ether	600 U
95-57-8-----	2-Chlorophenol	600 U
541-73-1-----	1,3-Dichlorobenzene	600 U
106-46-7-----	1,4-Dichlorobenzene	600 U
95-50-1-----	1,2-Dichlorobenzene	600 U
95-48-7-----	2-Methylphenol	600 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	600 U
106-44-5-----	4-Methylphenol	600 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	600 U
67-72-1-----	Hexachloroethane	600 U
98-95-3-----	Nitrobenzene	600 U
78-59-1-----	Isophorone	600 U
88-75-5-----	2-Nitrophenol	600 U
105-67-9-----	2,4-Dimethylphenol	600 U
111-91-1-----	bis(2-Chloroethoxy)Methane	600 U
120-83-2-----	2,4-Dichlorophenol	600 U
120-82-1-----	1,2,4-Trichlorobenzene	600 U
91-20-3-----	Naphthalene	600 U
106-47-8-----	4-Chloroaniline	600 U
87-68-3-----	Hexachlorobutadiene	600 U
59-50-7-----	4-Chloro-3-Methylphenol	600 U
91-57-6-----	2-Methylnaphthalene	600 U
77-47-4-----	Hexachlorocyclopentadiene	600 U
88-06-2-----	2,4,6-Trichlorophenol	600 U
95-95-4-----	2,4,5-Trichlorophenol	1500 U
91-58-7-----	2-Chloronaphthalene	600 U
88-74-4-----	2-Nitroaniline	1500 U
131-11-3-----	Dimethylphthalate	600 U
208-96-8-----	Acenaphthylene	600 U
606-20-2-----	2,6-Dinitrotoluene	600 U
99-09-2-----	3-Nitroaniline	1500 U
83-32-9-----	Acenaphthene	600 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580187Sample wt/vol: 30.00 (g/mL) GLab File ID: B0419E11Level: (low/med) LOWDate Received: 03/30/95% Moisture: 45 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5-----	2,4-Dinitrophenol	1500	U
100-02-7-----	4-Nitrophenol	1500	U
132-64-9-----	Dibenzofuran	600	U
121-14-2-----	2,4-Dinitrotoluene	600	U
84-66-2-----	Diethylphthalate	600	U
7005-72-3-----	4-Chlorophenyl-phenylether	600	U
86-73-7-----	Fluorene	600	U
100-10-6-----	4-Nitroaniline	1500	UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	600	U
101-55-3-----	4-Bromophenyl-phenylether	600	U
118-74-1-----	Hexachlorobenzene	600	U
87-86-5-----	Pentachlorophenol	1500	U
85-01-8-----	Phenanthrene	350	J
120-12-7-----	Anthracene	600	U
86-74-8-----	Carbazole	600	U
84-74-2-----	Di-n-Butylphthalate	390	J
206-44-0-----	Fluoranthene	940	
129-00-0-----	Pyrene	690	
85-68-7-----	Butylbenzylphthalate	600	U
91-94-1-----	3,3'-Dichlorobenzidine	600	U
56-55-3-----	Benzo(a)Anthracene	630	
218-01-9-----	Chrysene	630	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	600	UJ
117-84-0-----	Di-n-Octyl Phthalate	600	U
205-99-2-----	Benzo(b)Fluoranthene	1200	
207-08-9-----	Benzo(k)Fluoranthene	600	U
50-32-8-----	Benzo(a)Pyrene	730	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	600	U
53-70-3-----	Dibenz(a,h)Anthracene	600	U
191-24-2-----	Benzo(g,h,i)Perylene	600	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X101

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580187

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: B0419E11

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 45 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	1100	BJ
2.	UNKNOWN BROMO HEXANE	11.17	2000	J
3.	UNKNOWN ALIP. KETONE	11.55	810	BAJ
4.	UNKNOWN	12.53	5400	J
5.	UNKNOWN	13.82	3000	J
6.	UNKNOWN ALIP. HYDROCARBON	21.48	370	J
7.	UNKNOWN ALIP. HYDROCARBON	24.35	310	J
8.	UNKNOWN	27.35	410	J
9.	UNKNOWN	27.45	380	J
10.	UNKNOWN ALIP. ACID	27.53	990	J
11.	UNKNOWN	28.33	250	J
12.	UNKNOWN ALIP. HYDROCARBON	29.10	250	J
13.	UNKNOWN ALIP. HYDROCARBON	30.17	310	J
14.	UNKNOWN	31.22	810	BJ
15.	UNKNOWN ALIP. HYDROCARBON	32.22	560	J
16.	UNKNOWN	32.58	200	J
17.	UNKNOWN ALIP. HYDROCARBON	33.17	3100	J
18.	UNKNOWN ALIP. HYDROCARBON	34.13	730	J
19.	UNKNOWN	34.57	890	J
20.	UNKNOWN PNA	35.15	180	J
21.	UNKNOWN ALIP. HYDROCARBON	35.23	6900	J
22.	UNKNOWN	35.75	240	J
23.	UNKNOWN ALIP. HYDROCARBON	36.48	680	J
24.	UNKNOWN	37.13	7300	J
25.	UNKNOWN ALIP. HYDROCARBON	37.98	14000	J
26.	UNKNOWN	38.10	5700	J
27.	UNKNOWN	38.75	340	J
28.	UNKNOWN PNA	39.17	770	J
29.	UNKNOWN	40.68	1300	J
30.	UNKNOWN ALIP. HYDROCARBON	41.85	3600	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580187

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: _____

% Moisture: 45 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
---------	----------	-----------------------	---

319-84-6-----	alpha-BHC	3.1	U
319-85-7-----	beta-BHC	3.1	U
319-86-8-----	delta-BHC	3.1	U
58-89-9-----	gamma-BHC (Lindane)	3.1	U
76-44-8-----	Heptachlor	3.1	U
309-00-2-----	Aldrin	3.1	U
1024-57-3-----	Heptachlor epoxide	3.1	U
959-98-8-----	Endosulfan I	3.1	U
60-57-1-----	Dieldrin	0.70	JP
72-55-9-----	4,4'-DDE	10	
72-20-8-----	Endrin	6.1	P
33213-65-9-----	Endosulfan II	6.0	U
50-29-3-----	4,4'-DDD	6.9	
1031-07-8-----	Endosulfan sulfate	6.0	U
50-29-3-----	4,4'-DDT	7.1	P
72-43-5-----	Methoxychlor	31	U
53494-70-5-----	Endrin ketone	6.0	U
7421-36-3-----	Endrin aldehyde	6.0	U
5103-71-9-----	alpha-Chlordane	3.1	U
5103-74-2-----	gamma-Chlordane	3.1	U
8001-35-2-----	Toxaphene	310	U
12674-11-2-----	Aroclor-1016	60	U
11104-28-2-----	Aroclor-1221	120	U
11141-16-5-----	Aroclor-1232	60	U
53469-21-9-----	Aroclor-1242	60	U
12672-29-6-----	Aroclor-1248	60	U
11097-69-1-----	Aroclor-1254	60	U
11096-82-5-----	Aroclor-1260	73	72

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X102

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580188

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0403BK11

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 10 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	34	
67-64-1-----	Acetone	11	U J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U J
71-55-6-----	1,1,1-Trichloroethane	8	J
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U J
591-78-6-----	2-Hexanone	11	U J
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X102

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580188

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK11

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 10

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580188Sample wt/vol: 30.00 (g/mL) GLab File ID: B0420E06Level: (low/med) LOWDate Received: 03/30/95% Moisture: 10 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.7

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----Phenol	370	U
111-44-4-----bis(2-Chloroethyl) Ether	370	U
95-57-8-----2-Chlorophenol	370	U
541-73-1-----1,3-Dichlorobenzene	370	U
106-46-7-----1,4-Dichlorobenzene	370	U
95-50-1-----1,2-Dichlorobenzene	370	U
95-48-7-----2-Methylphenol	370	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	370	U
106-44-5-----4-Methylphenol	370	U
621-64-7-----N-Nitroso-Di-n-Propylamine	370	U
67-72-1-----Hexachloroethane	370	U
98-95-3-----Nitrobenzene	370	U
78-59-1-----Isophorone	370	U
88-75-5-----2-Nitrophenol	370	U
105-67-9-----2,4-Dimethylphenol	370	U
111-91-1-----bis(2-Chloroethoxy) Methane	370	U
120-83-2-----2,4-Dichlorophenol	370	U
120-82-1-----1,2,4-Trichlorobenzene	370	U
91-20-3-----Naphthalene	370	U
106-47-8-----4-Chloroaniline	370	UJ
87-68-3-----Hexachlorobutadiene	370	U
59-50-7-----4-Chloro-3-Methylphenol	370	U
91-57-6-----2-Methylnaphthalene	370	U
77-47-4-----Hexachlorocyclopentadiene	370	U
88-06-2-----2,4,6-Trichlorophenol	370	U
95-95-4-----2,4,5-Trichlorophenol	890	U
91-58-7-----2-Chloronaphthalene	370	U
88-74-4-----2-Nitroaniline	890	U
131-11-3-----Dimethylphthalate	370	U
208-96-8-----Acenaphthylene	370	U
606-20-2-----2,6-Dinitrotoluene	370	U
99-09-2-----3-Nitroaniline	890	U
83-32-9-----Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580188Sample wt/vol: 30.00 (g/mL) G Lab File ID: B0420E06Level: (low/med) LOW Date Received: 03/30/95% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95Injection Volume: 2.0(uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.7CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	890	U
100-02-7-----	4-Nitrophenol	890	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-10-6-----	4-Nitroaniline	890	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	890	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	890	UJ
85-01-8-----	Phenanthrene	360	J
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	UJ
84-74-2-----	Di-n-Butylphthalate	210	J
206-44-0-----	Fluoranthene	560	
129-00-0-----	Pyrene	420	
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)Anthracene	400	
218-01-9-----	Chrysene	490	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	UJ
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	780	
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	380	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenz(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X102Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580188Sample wt/vol: 30.00 (g/mL) GLab File ID: B0420E06Level: (low/med) LOWDate Received: 03/30/95% Moisture: 10 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.7CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	720	BJ
2.	UNKNOWN BROMO HEXANE	11.17	2300	J
3.	UNKNOWN ALIP. KETONE	11.55	760	BAJ
4.	UNKNOWN	12.53	930	J
5.	UNKNOWN	13.82	1600	J
6.	UNKNOWN	16.68	100	BJ
7.	UNKNOWN ALIP. HYDROCARBON	21.47	190	J
8.	UNKNOWN ALIP. HYDROCARBON	22.90	94	J
9.	UNKNOWN ALIP. ACID	23.03	230	J
10.	UNKNOWN ALIP. ACID	27.52	290	J
11.	UNKNOWN	30.58	86	J
12.	UNKNOWN PNA	31.23	280	J
13.	UNKNOWN	31.53	110	J
14.	UNKNOWN	32.22	100	J
15.	UNKNOWN	32.78	120	J
16.	UNKNOWN	33.18	520	BJ
17.	UNKNOWN PNA	34.18	99	J
18.	UNKNOWN	35.68	97	J
19.	UNKNOWN	37.23	120	J
20.	UNKNOWN	37.85	130	J
21.	UNKNOWN PNA	37.95	720	J
22.	UNKNOWN PNA	39.22	640	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004 X102

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580188

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 10 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
---------	----------	-----------------	-------	---

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.1	JP
72-55-9-----	4, 4'-DDE	27	
72-20-8-----	Endrin	18	P
33213-65-9-----	Endosulfan II	3.6	U
50-29-3-----	4, 4'-DDD	17	P
1031-07-8-----	Endosulfan sulfate	3.6	U
50-29-3-----	4, 4'-DDT	3.5	JP
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.6	U
7421-36-3-----	Endrin aldehyde	3.6	U
5103-71-9-----	alpha-Chlordane	16	
5103-74-2-----	gamma-Chlordane	6.4	P
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	36	U
11104-28-2-----	Aroclor-1221	73	U
11141-16-5-----	Aroclor-1232	36	U
53469-21-9-----	Aroclor-1242	36	U
12672-29-6-----	Aroclor-1248	36	U
11097-69-1-----	Aroclor-1254	300	
11096-82-5-----	Aroclor-1260	230	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580189

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0403LC11

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 35 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	15	U
74-83-9-----	Bromomethane	15	U
75-01-4-----	Vinyl Chloride	15	U
75-00-3-----	Chloroethane	15	UJ
75-09-2-----	Methylene Chloride	92	R
67-64-1-----	Acetone	10	J
75-15-0-----	Carbon Disulfide	15	U
75-35-4-----	1,1-Dichloroethene	15	U
75-34-3-----	1,1-Dichloroethane	15	U
540-59-0-----	1,2-Dichloroethene (total)	15	U
67-66-3-----	Chloroform	15	U
107-06-2-----	1,2-Dichloroethane	15	U
78-93-3-----	2-Butanone	15	U J
71-55-6-----	1,1,1-Trichloroethane	17	
56-23-5-----	Carbon Tetrachloride	15	U
75-27-4-----	Bromodichloromethane	15	U
78-87-5-----	1,2-Dichloropropane	15	U
10061-01-5-----	cis-1,3-Dichloropropene	15	U
79-01-6-----	Trichloroethene	15	U
124-48-1-----	Dibromochloromethane	15	U
79-00-5-----	1,1,2-Trichloroethane	15	U
71-43-2-----	Benzene	15	U
10061-02-6-----	trans-1,3-Dichloropropene	15	U
75-25-2-----	Bromoform	15	U
108-10-1-----	4-Methyl-2-Pentanone	15	U J
591-78-6-----	2-Hexanone	15	U J
127-18-4-----	Tetrachloroethene	15	U
79-34-5-----	1,1,2,2-Tetrachloroethane	15	U J
108-88-3-----	Toluene	15	U
108-90-7-----	Chlorobenzene	15	U
100-41-4-----	Ethylbenzene	15	U
100-42-5-----	Styrene	15	U
1330-20-7-----	Xylene (total)	6	J

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X103

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580189Sample wt/vol: 5.0 (g/mL) GLab File ID: B0403LC11Level: (low/med) LOWDate Received: 03/30/95% Moisture: not dec. 35Date Analyzed: 04/03/95GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004 X103

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580189

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0420E09

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 35 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 2.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>108-95-2-----Phenol</u>	<u>500</u>	<u>U</u>
<u>111-44-4-----bis(2-Chloroethyl)Ether</u>	<u>500</u>	<u>U</u>
<u>95-57-8-----2-Chlorophenol</u>	<u>500</u>	<u>U</u>
<u>541-73-1-----1,3-Dichlorobenzene</u>	<u>500</u>	<u>U</u>
<u>106-46-7-----1,4-Dichlorobenzene</u>	<u>500</u>	<u>U</u>
<u>95-50-1-----1,2-Dichlorobenzene</u>	<u>500</u>	<u>U</u>
<u>95-48-7-----2-Methylphenol</u>	<u>500</u>	<u>U</u>
<u>108-60-1-----2,2'-oxybis(1-Chloropropane)</u>	<u>500</u>	<u>U</u>
<u>106-44-5-----4-Methylphenol</u>	<u>500</u>	<u>U</u>
<u>621-64-7-----N-Nitroso-Di-n-Propylamine</u>	<u>500</u>	<u>U</u>
<u>67-72-1-----Hexachloroethane</u>	<u>500</u>	<u>U</u>
<u>98-95-3-----Nitrobenzene</u>	<u>500</u>	<u>U</u>
<u>78-59-1-----Isophorone</u>	<u>500</u>	<u>U</u>
<u>88-75-5-----2-Nitrophenol</u>	<u>500</u>	<u>U</u>
<u>105-67-9-----2,4-Dimethylphenol</u>	<u>500</u>	<u>U</u>
<u>111-91-1-----bis(2-Chloroethoxy)Methane</u>	<u>500</u>	<u>U</u>
<u>120-83-2-----2,4-Dichlorophenol</u>	<u>500</u>	<u>U</u>
<u>120-82-1-----1,2,4-Trichlorobenzene</u>	<u>500</u>	<u>U</u>
<u>91-20-3-----Naphthalene</u>	<u>140</u>	<u>J</u>
<u>106-47-8-----4-Chloroaniline</u>	<u>500</u>	<u>UJ</u>
<u>87-68-3-----Hexachlorobutadiene</u>	<u>500</u>	<u>U</u>
<u>59-50-7-----4-Chloro-3-Methylphenol</u>	<u>500</u>	<u>U</u>
<u>91-57-6-----2-Methylnaphthalene</u>	<u>110</u>	<u>J</u>
<u>77-47-4-----Hexachlorocyclopentadiene</u>	<u>500</u>	<u>U</u>
<u>88-06-2-----2,4,6-Trichlorophenol</u>	<u>500</u>	<u>U</u>
<u>95-95-4-----2,4,5-Trichlorophenol</u>	<u>1200</u>	<u>U</u>
<u>91-58-7-----2-Chloronaphthalene</u>	<u>500</u>	<u>U</u>
<u>88-74-4-----2-Nitroaniline</u>	<u>1200</u>	<u>U</u>
<u>131-11-3-----Dimethylphthalate</u>	<u>500</u>	<u>U</u>
<u>208-96-8-----Acenaphthylene</u>	<u>500</u>	<u>U</u>
<u>606-20-2-----2,6-Dinitrotoluene</u>	<u>500</u>	<u>U</u>
<u>99-09-2-----3-Nitroaniline</u>	<u>1200</u>	<u>U</u>
<u>83-32-9-----Acenaphthene</u>	<u>210</u>	<u>J</u>

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X103

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580189Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0420E09Level: (low/med) LOW Date Received: 03/30/95% Moisture: 35 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 2.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	180	J
121-14-2-----	2,4-Dinitrotoluene	500	U
84-66-2-----	Diethylphthalate	500	U
7005-72-3-----	4-Chlorophenyl-phenylether	500	U
86-73-7-----	Fluorene	290	J
100-10-6-----	4-Nitroaniline	1200	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	500	U
101-55-3-----	4-Bromophenyl-phenylether	500	U
118-74-1-----	Hexachlorobenzene	500	U
87-86-5-----	Pentachlorophenol	1200	UJ
85-01-8-----	Phenanthrene	3800	
120-12-7-----	Anthracene	540	
86-74-8-----	Carbazole	350	J
84-74-2-----	Di-n-Butylphthalate	210	J
206-44-0-----	Fluoranthene	4800	E
129-00-0-----	Pyrene	2900	
85-68-7-----	Butylbenzylphthalate	500	U
91-94-1-----	3,3'-Dichlorobenzidine	500	U
56-55-3-----	Benzo(a)Anthracene	2900	
218-01-9-----	Chrysene	3200	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	1100	J
117-84-0-----	Di-n-Octyl Phthalate	500	U
205-99-2-----	Benzo(b)Fluoranthene	2200	
207-08-9-----	Benzo(k)Fluoranthene	1800	
50-32-8-----	Benzo(a)Pyrene	1300	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	J
53-70-3-----	Dibenz(a,h)Anthracene	500	U
191-24-2-----	Benzo(g,h,i)Perylene	360	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580189

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0420E09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 2.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. KETONE	11.57	3800	BAJ
2.	UNKNOWN	27.58	1100	J
3.	UNKNOWN PNA	27.85	1600	J
4.	UNKNOWN	29.15	750	J
5.	UNKNOWN	29.43	340	J
6.	UNKNOWN	29.58	240	J
7.	UNKNOWN	29.85	620	J
8.	UNKNOWN PNA	30.25	1300	J
9.	UNKNOWN	30.62	290	J
10.	UNKNOWN	30.85	740	J
11.	UNKNOWN PNA	31.27	1500	J
12.	UNKNOWN PNA	31.45	610	J
13.	UNKNOWN PNA	31.58	520	J
14.	UNKNOWN PNA	31.87	350	J
15.	UNKNOWN	32.25	410	J
16.	UNKNOWN	32.82	690	J
17.	UNKNOWN PNA	33.10	780	J
18.	UNKNOWN	33.23	1300	BJ
19.	UNKNOWN PNA	34.23	410	J
20.	UNKNOWN	35.58	390	J
21.	UNKNOWN	35.73	360	J
22.	UNKNOWN	37.20	130	J
23.	UNKNOWN	37.33	450	J
24.	UNKNOWN	37.57	220	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103DL

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580189Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0421E03Level: (low/med) LOW Date Received: 03/30/95% Moisture: 35 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95Injection Volume: 2.0 (uL) Dilution Factor: 2.0GPC Cleanup: (Y/N) Y pH: 2.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	1000	U
108-95-2-----	Phenol	1000	U
111-44-4-----	bis(2-Chloroethyl) Ether	1000	U
95-57-8-----	2-Chlorophenol	1000	U
541-73-1-----	1,3-Dichlorobenzene	1000	U
106-46-7-----	1,4-Dichlorobenzene	1000	U
95-50-1-----	1,2-Dichlorobenzene	1000	U
95-48-7-----	2-Methylphenol	1000	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1000	U
106-44-5-----	4-Methylphenol	1000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1000	U
67-72-1-----	Hexachloroethane	1000	U
98-95-3-----	Nitrobenzene	1000	U
78-59-1-----	Isophorone	1000	U
88-75-5-----	2-Nitrophenol	1000	U
105-67-9-----	2,4-Dimethylphenol	1000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	1000	U
120-83-2-----	2,4-Dichlorophenol	1000	U
120-82-1-----	1,2,4-Trichlorobenzene	1000	U
91-20-3-----	Naphthalene	1000	U
106-47-8-----	4-Chloroaniline	1000	U
87-68-3-----	Hexachlorobutadiene	1000	U
59-50-7-----	4-Chloro-3-Methylphenol	1000	U
91-57-6-----	2-Methylnaphthalene	1000	U
77-47-4-----	Hexachlorocyclopentadiene	1000	U
88-06-2-----	2,4,6-Trichlorophenol	1000	U
95-95-4-----	2,4,5-Trichlorophenol	2400	U
91-58-7-----	2-Chloronaphthalene	1000	U
88-74-4-----	2-Nitroaniline	2400	U
131-11-3-----	Dimethylphthalate	1000	U
208-96-8-----	Acenaphthylene	1000	U
606-20-2-----	2,6-Dinitrotoluene	1000	U
99-09-2-----	3-Nitroaniline	2400	U
83-32-9-----	Acenaphthene	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004X103DLLab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580189Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0421E03Level: (low/med) LOW Date Received: 03/30/95% Moisture: 35 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95Injection Volume: 2.0(uL) Dilution Factor: 2.0GPC Cleanup: (Y/N) Y pH: 2.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	2400	U
100-02-7-----	4-Nitrophenol	2400	U
132-64-9-----	Dibenzofuran	1000	U
121-14-2-----	2,4-Dinitrotoluene	1000	U
84-66-2-----	Diethylphthalate	1000	U
7005-72-3-----	4-Chlorophenyl-phenylether	1000	U
86-73-7-----	Fluorene	260	J
100-10-6-----	4-Nitroaniline	2400	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	2400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1000	U
101-55-3-----	4-Bromophenyl-phenylether	1000	U
118-74-1-----	Hexachlorobenzene	1000	U
87-86-5-----	Pentachlorophenol	2400	U
85-01-8-----	Phenanthrene	3100	
120-12-7-----	Anthracene	560	J
86-74-8-----	Carbazole	330	J
84-74-2-----	Di-n-Butylphthalate	210	J
206-44-0-----	Fluoranthene	4200	
129-00-0-----	Pyrene	2400	
85-68-7-----	Butylbenzylphthalate	1000	U
91-94-1-----	3,3'-Dichlorobenzidine	1000	U
56-55-3-----	Benzo(a)Anthracene	2100	
218-01-9-----	Chrysene	2400	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	940	J
117-84-0-----	Di-n-Octyl Phthalate	1000	U
205-99-2-----	Benzo(b)Fluoranthene	3700	
207-08-9-----	Benzo(k)Fluoranthene	1000	U
50-32-8-----	Benzo(a)Pyrene	1500	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1000	UJ
53-70-3-----	Dibenz(a,h)Anthracene	1000	U
191-24-2-----	Benzo(g,h,i)Perylene	1000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103DL

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>			
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____	SDG No.: <u>580181</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580189</u>			
Sample wt/vol: <u>30.20</u> (g/mL) <u>G</u>	Lab File ID: <u>B0421E03</u>			
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>			
% Moisture: <u>35</u>	decanted: (Y/N) <u>N</u>	Date Extracted: <u>04/03/95</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>04/21/95</u>			
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>2.0</u>			
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>2.7</u>			

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. KETONE	11.57	3200	BAJ
2.	UNKNOWN	24.27	560	J
3.	UNKNOWN ALIP. HYDROCARBON	24.35	790	J
4.	UNKNOWN ALIP. HYDROCARBON	25.57	610	J
5.	UNKNOWN ALIP. HYDROCARBON	25.70	720	J
6.	UNKNOWN	26.80	910	J
7.	UNKNOWN PNA	27.47	680	J
8.	UNKNOWN	27.52	1400	J
9.	UNKNOWN PNA	27.82	1500	J
10.	UNKNOWN ALIP. HYDROCARBON	27.97	580	J
11.	UNKNOWN PNA	28.32	390	J
12.	UNKNOWN AROMATIC KETONE	28.43	430	J
13.	UNKNOWN ALIP. HYDROCARBON	29.10	650	J
14.	UNKNOWN ALIP. HYDROCARBON	30.17	720	J
15.	UNKNOWN	30.58	400	J
16.	UNKNOWN	31.20	240	BJ
17.	UNKNOWN PNA	31.23	1600	J
18.	UNKNOWN PNA	31.53	570	J
19.	UNKNOWN	32.77	600	J
20.	UNKNOWN	35.67	350	J
21.	UNKNOWN	36.92	230	J
22.	UNKNOWN	37.22	230	J
23.	UNKNOWN	37.50	290	J
24.	UNKNOWN	37.80	940	J
25.	UNKNOWN	38.45	690	J
26.	UNKNOWN PNA	39.20	2600	J
27.	UNKNOWN	41.37	830	J
28.	UNKNOWN	42.98	1100	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580189

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: _____

% Moisture: 35 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 2.7

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	6.6	P
319-85-7-----	beta-BHC	2.6	U
319-86-8-----	delta-BHC	87	P
58-89-9-----	gamma-BHC (Lindane)	2.6	U
76-44-8-----	Heptachlor	2.6	U
309-00-2-----	Aldrin	2.6	U
1024-57-3-----	Heptachlor epoxide	2.6	U
959-98-8-----	Endosulfan I	2.6	U
60-57-1-----	Dieldrin	73	P
72-55-9-----	4,4'-DDE	58	P
72-20-8-----	Endrin	85	P
33213-65-9-----	Endosulfan II	5.0	U
50-29-3-----	4,4'-DDD	180	P
1031-07-8-----	Endosulfan sulfate	11	P
50-29-3-----	4,4'-DDT	100	P
72-43-5-----	Methoxychlor	26	U
53494-70-5-----	Endrin ketone	31	P
7421-36-3-----	Endrin aldehyde	21	P
5103-71-9-----	alpha-Chlordane	2.6	U
5103-74-2-----	gamma-Chlordane	40	P
8001-35-2-----	Toxaphene	260	U
12674-11-2-----	Aroclor-1016	50	U
11104-28-2-----	Aroclor-1221	100	U
11141-16-5-----	Aroclor-1232	50	U
53469-21-9-----	Aroclor-1242	50	U
12672-29-6-----	Aroclor-1248	50	U
11097-69-1-----	Aroclor-1254	1200	
11096-82-5-----	Aroclor-1260	920	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103DL

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580189D</u>	
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: _____	
% Moisture: <u>35</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>03/30/95</u>
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>04/03/95</u>
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>04/21/95</u>	
Injection Volume: <u>1.00</u> (uL)	Dilution Factor: <u>10.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>2.7</u>	Sulfur Cleanup: (Y/N) <u>N</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	26	U
319-85-7-----	beta-BHC	26	U
319-86-8-----	delta-BHC	110	PD
58-89-9-----	gamma-BHC (Lindane)	26	U
76-44-8-----	Heptachlor	26	U
309-00-2-----	Aldrin	26	U
1024-57-3-----	Heptachlor epoxide	26	U
959-98-8-----	Endosulfan I	26	U
60-57-1-----	Dieldrin	44	JPD
72-55-9-----	4,4'-DDE	50	U
72-20-8-----	Endrin	120	PD
33213-65-9-----	Endosulfan II	50	U
50-29-3-----	4,4'-DDD	200	PD
1031-07-8-----	Endosulfan sulfate	50	U
50-29-3-----	4,4'-DDT	87	PD
72-43-5-----	Methoxychlor	260	U
53494-70-5-----	Endrin ketone	38	JPD
7421-36-3-----	Endrin aldehyde	21	JPD
5103-71-9-----	alpha-Chlordane	26	U
5103-74-2-----	gamma-Chlordane	26	U
8001-35-2-----	Toxaphene	2600	U
12674-11-2-----	Aroclor-1016	500	U
11104-28-2-----	Aroclor-1221	1000	U
11141-16-5-----	Aroclor-1232	500	U
53469-21-9-----	Aroclor-1242	500	U
12672-29-6-----	Aroclor-1248	500	U
11097-69-1-----	Aroclor-1254	1500	D
11096-82-5-----	Aroclor-1260	1000	PD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X104

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580190

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC10

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 20

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>12</u>	<u>U</u>
<u>74-83-9-----Bromomethane</u>	<u>12</u>	<u>U</u>
<u>75-01-4-----Vinyl Chloride</u>	<u>12</u>	<u>U</u>
<u>75-00-3-----Chloroethane</u>	<u>12</u>	<u>U</u>
<u>75-09-2-----Methylene Chloride</u>	<u>51</u>	<u>R</u>
<u>67-64-1-----Acetone</u>	<u>9</u>	<u>J</u>
<u>75-15-0-----Carbon Disulfide</u>	<u>12</u>	<u>U</u>
<u>75-35-4-----1,1-Dichloroethene</u>	<u>12</u>	<u>U</u>
<u>75-34-3-----1,1-Dichloroethane</u>	<u>12</u>	<u>U</u>
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>12</u>	<u>U</u>
<u>67-66-3-----Chloroform</u>	<u>12</u>	<u>U</u>
<u>107-06-2-----1,2-Dichloroethane</u>	<u>12</u>	<u>U</u>
<u>78-93-3-----2-Butanone</u>	<u>12</u>	<u>U</u>
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>14</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>12</u>	<u>U</u>
<u>75-27-4-----Bromodichloromethane</u>	<u>12</u>	<u>U</u>
<u>78-87-5-----1,2-Dichloropropane</u>	<u>12</u>	<u>U</u>
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>12</u>	<u>U</u>
<u>79-01-6-----Trichloroethene</u>	<u>12</u>	<u>U</u>
<u>124-48-1-----Dibromochloromethane</u>	<u>12</u>	<u>U</u>
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>12</u>	<u>U</u>
<u>71-43-2-----Benzene</u>	<u>12</u>	<u>U</u>
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>12</u>	<u>U</u>
<u>75-25-2-----Bromoform</u>	<u>12</u>	<u>U</u>
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>12</u>	<u>U</u>
<u>591-78-6-----2-Hexanone</u>	<u>12</u>	<u>U</u>
<u>127-18-4-----Tetrachloroethene</u>	<u>12</u>	<u>U</u>
<u>79-34-5-----1,1,2-Tetrachloroethane</u>	<u>12</u>	<u>U</u>
<u>108-88-3-----Toluene</u>	<u>3</u>	<u>J</u>
<u>108-90-7-----Chlorobenzene</u>	<u>12</u>	<u>U</u>
<u>100-41-4-----Ethylbenzene</u>	<u>12</u>	<u>U</u>
<u>100-42-5-----Styrene</u>	<u>12</u>	<u>U</u>
<u>1330-20-7-----Xylene (total)</u>	<u>6</u>	<u>J</u>

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X104

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580190

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC10

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 20

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X104Lab Code: SPFLD Case No.: ALLIEDSAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580190Sample wt/vol: 30.20 (g/mL) GLab File ID: B0420E10Level: (low/med) LOWDate Received: 03/30/95% Moisture: 20 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl)Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	450	
106-47-8-----	4-Chloroaniline	410	U J
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	340	J
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	990	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	990	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	340	J
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	990	U
83-32-9-----	Acenaphthene	630	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580190Sample wt/vol: 30.20 (g/mL) GLab File ID: B0420E10Level: (low/med) LOWDate Received: 03/30/95% Moisture: 20 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	990	U
100-02-7-----	4-Nitrophenol	990	U
132-64-9-----	Dibenzofuran	690	
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	790	
100-10-6-----	4-Nitroaniline	990	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	990	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	990	UJ
85-01-8-----	Phenanthrene	6100	E
120-12-7-----	Anthracene	1400	
86-74-8-----	Carbazole	680	J
84-74-2-----	Di-n-Butylphthalate	120	J
206-44-0-----	Fluoranthene	4700	E
129-00-0-----	Pyrene	4000	E
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	7200	E
218-01-9-----	Chrysene	8100	E
117-81-7-----	bis(2-Ethylhexyl)Phthalate	950	J
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	10000	E
207-08-9-----	Benzo(k)Fluoranthene	5900	E
50-32-8-----	Benzo(a)Pyrene	2800	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1400	
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	1600	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580190

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0420E10

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PNA	30.62	2300	J
2.	UNKNOWN PNA	31.28	5900	J
3.	UNKNOWN PNA	31.60	2000	J
4.	UNKNOWN	31.97	1200	J
5.	UNKNOWN AROMATIC KETONE	32.83	5800	J
6.	UNKNOWN PNA	33.13	3100	J
7.	UNKNOWN PNA	33.22	6700	J
8.	UNKNOWN PNA	33.30	2100	J
9.	UNKNOWN	33.38	680	J
10.	UNKNOWN AROMATIC KETONE	33.45	3800	J
11.	UNKNOWN	33.55	390	J
12.	UNKNOWN PNA	33.60	850	J
13.	UNKNOWN	34.10	200	J
14.	UNKNOWN	34.20	1800	J
15.	UNKNOWN PNA	34.27	900	J
16.	UNKNOWN	34.48	960	J
17.	UNKNOWN ALIP. HYDROCARBON	35.28	2600	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104DL

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580190

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0421E05

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	2000 U
111-44-4-----	bis(2-Chloroethyl) Ether	2000 U
95-57-8-----	2-Chlorophenol	2000 U
541-73-1-----	1,3-Dichlorobenzene	2000 U
106-46-7-----	1,4-Dichlorobenzene	2000 U
95-50-1-----	1,2-Dichlorobenzene	2000 U
95-48-7-----	2-Methylphenol	2000 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	2000 U
106-44-5-----	4-Methylphenol	2000 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	2000 U
67-72-1-----	Hexachloroethane	2000 U
98-95-3-----	Nitrobenzene	2000 U
78-59-1-----	Isophorone	2000 U
88-75-5-----	2-Nitrophenol	2000 U
105-67-9-----	2,4-Dimethylphenol	2000 U
111-91-1-----	bis(2-Chloroethoxy)Methane	2000 U
120-83-2-----	2,4-Dichlorophenol	2000 U
120-82-1-----	1,2,4-Trichlorobenzene	2000 U
91-20-3-----	Naphthalene	450 J
106-47-8-----	4-Chloroaniline	2000 U
87-68-3-----	Hexachlorobutadiene	2000 U
59-50-7-----	4-Chloro-3-Methylphenol	2000 U
91-57-6-----	2-Methylnaphthalene	2000 U
77-47-4-----	Hexachlorocyclopentadiene	2000 U
88-06-2-----	2,4,6-Trichlorophenol	2000 U
95-95-4-----	2,4,5-Trichlorophenol	5000 U
91-58-7-----	2-Chloronaphthalene	2000 U
88-74-4-----	2-Nitroaniline	5000 U
131-11-3-----	Dimethylphthalate	2000 U
208-96-8-----	Acenaphthylene	2000 U
606-20-2-----	2,6-Dinitrotoluene	2000 U
99-09-2-----	3-Nitroaniline	5000 U
83-32-9-----	Acenaphthene	550 J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X104DLLab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580190Sample wt/vol: 30.20 (g/mL) GLab File ID: B0421E05Level: (low/med) LOWDate Received: 03/30/95% Moisture: 20 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0 (uL)Dilution Factor: 5.0GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	5000	U
100-02-7-----	4-Nitrophenol	5000	U
132-64-9-----	Dibenzofuran	650	J
121-14-2-----	2,4-Dinitrotoluene	2000	U
84-66-2-----	Diethylphthalate	2000	U
7005-72-3-----	4-Chlorophenyl-phenylether	2000	U
86-73-7-----	Fluorene	690	J
100-10-6-----	4-Nitroaniline	5000	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	5000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2000	U
101-55-3-----	4-Bromophenyl-phenylether	2000	U
118-74-1-----	Hexachlorobenzene	2000	U
87-86-5-----	Pentachlorophenol	5000	U
85-01-8-----	Phenanthrene	7500	
120-12-7-----	Anthracene	1500	J
86-74-8-----	Carbazole	710	J
84-74-2-----	Di-n-Butylphthalate	2000	U
206-44-0-----	Fluoranthene	10000	
129-00-0-----	Pyrene	5800	
85-68-7-----	Butylbenzylphthalate	2000	U
91-94-1-----	3,3'-Dichlorobenzidine	2000	U
56-55-3-----	Benzo(a)Anthracene	6100	
218-01-9-----	Chrysene	11000	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	2000	UJ
117-84-0-----	Di-n-Octyl Phthalate	2000	U
205-99-2-----	Benzo(b)Fluoranthene	8500	
207-08-9-----	Benzo(k)Fluoranthene	5400	
50-32-8-----	Benzo(a)Pyrene	3800	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2200	J
53-70-3-----	Dibenz(a,h)Anthracene	2000	U
191-24-2-----	Benzo(g,h,i)Perylene	2000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104DL

.b Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____	SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580190</u>		
Sample wt/vol: <u>30.20</u> (g/mL) <u>G</u>	Lab File ID: <u>B0421E05</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>		
% Moisture: <u>20</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>04/03/95</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>04/21/95</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>5.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>1.7</u>		

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC KETONE	29.37	2300	J
2.	UNKNOWN	30.17	3700	J
3.	UNKNOWN PNA	30.55	2200	J
4.	UNKNOWN PNA	30.88	2900	J
5.	UNKNOWN PNA	31.20	4700	J
6.	UNKNOWN PNA	31.38	1300	J
7.	UNKNOWN PNA	31.52	1800	J
8.	UNKNOWN	32.18	720	J
9.	UNKNOWN AROMATIC KETONE	32.75	5000	J
10.	UNKNOWN PNA	33.05	3300	J
11.	UNKNOWN PNA	33.12	4800	J
12.	UNKNOWN PNA	33.20	1700	J
13.	UNKNOWN AROMATIC KETONE	33.35	3600	J
14.	UNKNOWN PNA	33.52	780	J
15.	UNKNOWN	34.12	1000	J
16.	UNKNOWN	34.38	430	J
17.	UNKNOWN	34.73	860	J
18.	UNKNOWN PNA	35.12	2600	J
19.	UNKNOWN ALIP. HYDROCARBON	35.20	2600	J
20.	UNKNOWN AROMATIC KETONE	35.33	3100	J
21.	UNKNOWN	35.63	1100	J
22.	UNKNOWN	35.88	600	J
23.	UNKNOWN	36.42	1200	J
24.	UNKNOWN	36.45	740	J
25.	UNKNOWN	37.17	2300	J
26.	UNKNOWN	37.80	1200	J
27.	UNKNOWN PNA	39.15	10000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004

X104

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580190

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 1.7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
---------	----------	-----------------	-------	---

319-84-6-----	alpha-BHC	12	P
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	3.9	P
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	U
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
50-29-3-----	4,4'-DDD	68	P
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	110	P
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	81	P
7421-36-3-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	27	P
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	83	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	790	
11096-82-5-----	Aroclor-1260	1200	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104DL

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580190D

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 1.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	20	JPD	
319-85-7-----	beta-BHC	21	U	
319-86-8-----	delta-BHC	21	U	
58-89-9-----	gamma-BHC (Lindane)	21	U	
76-44-8-----	Heptachlor	21	U	
309-00-2-----	Aldrin	21	U	
1024-57-3-----	Heptachlor epoxide	21	U	
959-98-8-----	Endosulfan I	21	U	
60-57-1-----	Dieldrin	41	U	
72-55-9-----	4,4'-DDE	41	U	
72-20-8-----	Endrin	110	PD	
33213-65-9-----	Endosulfan II	41	U	
50-29-3-----	4,4'-DDD	77	PD	
1031-07-8-----	Endosulfan sulfate	39	JPD	
50-29-3-----	4,4'-DDT	120	PD	
72-43-5-----	Methoxychlor	210	U	
53494-70-5-----	Endrin ketone	41	U	
7421-36-3-----	Endrin aldehyde	41	U	
5103-71-9-----	alpha-Chlordane	21	U	
5103-74-2-----	gamma-Chlordane	24	PD	
8001-35-2-----	Toxaphene	2100	U	
12674-11-2-----	Aroclor-1016	410	U	
11104-28-2-----	Aroclor-1221	830	U	
11141-16-5-----	Aroclor-1232	410	U	
53469-21-9-----	Aroclor-1242	410	U	
12672-29-6-----	Aroclor-1248	410	U	
11097-69-1-----	Aroclor-1254	1000	D	
11096-82-5-----	Aroclor-1260	1800	D	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004

X105

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580191

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 19

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U J
75-09-2-----	Methylene Chloride	45	R
67-64-1-----	Acetone	12	U J
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U J
71-55-6-----	1,1,1-Trichloroethane	16	
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U J
591-78-6-----	2-Hexanone	12	U J
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U J
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (total)	5	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004

X105

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580191

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0403LC09

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 19 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580191Sample wt/vol: 30.10 (g/mL) GLab File ID: B0420E11Level: (low/med) LOWDate Received: 03/30/95% Moisture: 19 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	410	U
108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl)Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	530	
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	390	J
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	980	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	980	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	400	J
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	980	U
83-32-9-----	Acenaphthene	550	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580191Sample wt/vol: 30.10 (g/mL) GLab File ID: B0420E11Level: (low/med) LOWDate Received: 03/30/95% Moisture: 19 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 1.7CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	980 U
100-02-7-----	4-Nitrophenol	980 U
132-64-9-----	Dibenzofuran	700
121-14-2-----	2,4-Dinitrotoluene	410 U
84-66-2-----	Diethylphthalate	410 U
7005-72-3-----	4-Chlorophenyl-phenylether	410 U
86-73-7-----	Fluorene	600
100-10-6-----	4-Nitroaniline	980 U J
534-52-1-----	4,6-Dinitro-2-methylphenol	980 U
86-30-6-----	N-Nitrosodiphenylamine (1)	410 U
101-55-3-----	4-Bromophenyl-phenylether	410 U
118-74-1-----	Hexachlorobenzene	410 U
87-86-5-----	Pentachlorophenol	980 U J
85-01-8-----	Phenanthrene	4000 E
120-12-7-----	Anthracene	1200
86-74-8-----	Carbazole	480 J
84-74-2-----	Di-n-Butylphthalate	130 J
206-44-0-----	Fluoranthene	4800 E
129-00-0-----	Pyrene	4200 E
85-68-7-----	Butylbenzylphthalate	410 U
91-94-1-----	3,3'-Dichlorobenzidine	410 U
56-55-3-----	Benzo(a)Anthracene	8200 E
218-01-9-----	Chrysene	9000 E
117-81-7-----	bis(2-Ethylhexyl)Phthalate	910 J
117-84-0-----	Di-n-Octyl Phthalate	410 U
205-99-2-----	Benzo(b)Fluoranthene	5200 E
207-08-9-----	Benzo(k)Fluoranthene	5400 E
50-32-8-----	Benzo(a)Pyrene	2700
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1400
53-70-3-----	Dibenz(a,h)Anthracene	410 U
191-24-2-----	Benzo(g,h,i)Perylene	1200

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X105

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580191

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0420E11

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PNA	30.63	2600	J
2.	UNKNOWN PNA	31.28	6200	J
3.	UNKNOWN	31.60	2200	J
4.	UNKNOWN	31.97	1300	J
5.	UNKNOWN AROMATIC KETONE	32.85	5500	J
6.	UNKNOWN PNA	33.13	3600	J
7.	UNKNOWN PNA	33.22	7200	J
8.	UNKNOWN PNA	33.32	2200	J
9.	UNKNOWN PNA	33.38	1000	J
10.	UNKNOWN AROMATIC KETONE	33.45	3900	J
11.	UNKNOWN PNA	33.62	830	J
12.	UNKNOWN	34.13	970	J
13.	UNKNOWN	34.20	1600	J
14.	UNKNOWN	34.27	710	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105DL

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580191

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0421E04

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	(ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2-----	Phenol	2000	U	
111-44-4-----	bis(2-Chloroethyl) Ether	2000	U	
95-57-8-----	2-Chlorophenol	2000	U	
541-73-1-----	1,3-Dichlorobenzene	2000	U	
106-46-7-----	1,4-Dichlorobenzene	2000	U	
95-50-1-----	1,2-Dichlorobenzene	2000	U	
95-48-7-----	2-Methylphenol	2000	U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	2000	U	
106-44-5-----	4-Methylphenol	2000	U	
621-64-7-----	N-Nitroso-Di-n-Propylamine	2000	U	
67-72-1-----	Hexachloroethane	2000	U	
98-95-3-----	Nitrobenzene	2000	U	
78-59-1-----	Isophorone	2000	U	
88-75-5-----	2-Nitrophenol	2000	U	
105-67-9-----	2,4-Dimethylphenol	2000	U	
111-91-1-----	bis(2-Chloroethoxy) Methane	2000	U	
120-83-2-----	2,4-Dichlorophenol	2000	U	
120-82-1-----	1,2,4-Trichlorobenzene	2000	U	
91-20-3-----	Naphthalene	530	J	
106-47-8-----	4-Chloroaniline	2000	U	
87-68-3-----	Hexachlorobutadiene	2000	U	
59-50-7-----	4-Chloro-3-Methylphenol	2000	U	
91-57-6-----	2-Methylnaphthalene	2000	U	
77-47-4-----	Hexachlorocyclopentadiene	2000	U	
88-06-2-----	2,4,6-Trichlorophenol	2000	U	
95-95-4-----	2,4,5-Trichlorophenol	4900	U	
91-58-7-----	2-Chloronaphthalene	2000	U	
88-74-4-----	2-Nitroaniline	4900	U	
131-11-3-----	Dimethylphthalate	2000	U	
208-96-8-----	Acenaphthylene	2000	U	
606-20-2-----	2,6-Dinitrotoluene	2000	U	
99-09-2-----	3-Nitroaniline	4900	U	
83-32-9-----	Acenaphthene	470	J	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X105DLLab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580191Sample wt/vol: 30.10 (g/mL) GLab File ID: B0421E04Level: (low/med) LOWDate Received: 03/30/95% Moisture: 19 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/21/95Injection Volume: 2.0(uL)Dilution Factor: 5.0GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	4900 U
100-02-7-----	4-Nitrophenol	4900 U
132-64-9-----	Dibenzofuran	660 J
121-14-2-----	2,4-Dinitrotoluene	2000 U
84-66-2-----	Diethylphthalate	2000 U
7005-72-3-----	4-Chlorophenyl-phenylether	2000 U
86-73-7-----	Fluorene	570 J
100-10-6-----	4-Nitroaniline	4900 U J
534-52-1-----	4,6-Dinitro-2-methylphenol	4900 U
86-30-6-----	N-Nitrosodiphenylamine (1)	2000 U
101-55-3-----	4-Bromophenyl-phenylether	2000 U
118-74-1-----	Hexachlorobenzene	2000 U
87-86-5-----	Pentachlorophenol	4900 U
85-01-8-----	Phenanthrene	6800
120-12-7-----	Anthracene	1400 J
86-74-8-----	Carbazole	660 J
84-74-2-----	Di-n-Butylphthalate	2000 U
206-44-0-----	Fluoranthene	11000
129-00-0-----	Pyrene	5400
85-68-7-----	Butylbenzylphthalate	2000 U
91-94-1-----	3,3'-Dichlorobenzidine	2000 U
56-55-3-----	Benzo(a)Anthracene	6500
218-01-9-----	Chrysene	13000
117-81-7-----	bis(2-Ethylhexyl)Phthalate	1100 J
117-84-0-----	Di-n-Octyl Phthalate	2000 U
205-99-2-----	Benzo(b)Fluoranthene	10000
207-08-9-----	Benzo(k)Fluoranthene	7200
50-32-8-----	Benzo(a)Pyrene	3900
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2500 J
53-70-3-----	Dibenz(a,h)Anthracene	2000 U
191-24-2-----	Benzo(g,h,i)Perylene	2000 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105DL

Sample Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580191

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0421E04

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 1.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC KETONE	29.35	3100	J
2.	UNKNOWN PNA	30.17	5300	J
3.	UNKNOWN PNA	30.55	2300	J
4.	UNKNOWN PNA	30.87	2900	J
5.	UNKNOWN PNA	31.18	4700	J
6.	UNKNOWN PNA	31.37	1100	J
7.	UNKNOWN PNA	31.50	1700	J
8.	UNKNOWN PNA	31.78	1000	J
9.	UNKNOWN PNA	31.87	950	J
10.	UNKNOWN	32.18	980	J
11.	UNKNOWN AROMATIC KETONE	32.73	6000	J
12.	UNKNOWN PNA	33.03	3500	J
13.	UNKNOWN PNA	33.10	5200	J
14.	UNKNOWN PNA	33.18	1800	J
15.	UNKNOWN AROMATIC KETONE	33.33	4600	J
16.	UNKNOWN	34.10	980	J
17.	UNKNOWN	34.38	1200	J
18.	UNKNOWN	34.73	980	J
19.	UNKNOWN PNA	35.12	3100	J
20.	UNKNOWN ALIP. HYDROCARBON	35.18	3000	J
21.	UNKNOWN AROMATIC KETONE	35.32	3400	J
22.	UNKNOWN	35.48	810	J
23.	UNKNOWN	35.63	1200	J
24.	UNKNOWN	35.87	670	J
25.	UNKNOWN	36.38	1100	J
26.	UNKNOWN	36.43	880	J
27.	UNKNOWN	37.17	2600	J
28.	UNKNOWN	37.77	1500	J
29.	UNKNOWN PNA	39.15	11000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580191

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 1.7

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	------------------------------	---

319-84-6-----	alpha-BHC	14	
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Die�drin	4.0	U
72-55-9-----	4,4'-DDE	4.0	U
72-20-8-----	Endrin	87	P
33213-65-9-----	Endosulfan II	4.0	U
50-29-3-----	4,4'-DDD	63	P
1031-07-8-----	Endosulfan sulfate	4.0	U
50-29-3-----	4,4'-DDT	130	P
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	94	P
7421-36-3-----	Endrin aldehyde	4.0	U
5103-71-9-----	alpha-Chlordane	17	P
5103-74-2-----	gamma-Chlordane	27	P
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	40	U
11104-28-2-----	Aroclor-1221	82	U
11141-16-5-----	Aroclor-1232	40	U
53469-21-9-----	Aroclor-1242	40	U
12672-29-6-----	Aroclor-1248	40	U
11097-69-1-----	Aroclor-1254	820	
11096-82-5-----	Aroclor-1260	1700	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105DL

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580191D</u>	
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: _____	
% Moisture: <u>19</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>03/30/95</u>
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>04/03/95</u>
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>04/21/95</u>	
Injection Volume: <u>1.00</u> (uL)	Dilution Factor: <u>10.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>1.7</u>	Sulfur Cleanup: (Y/N) <u>N</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	19	DJ
319-85-7-----	beta-BHC	21	U
319-86-8-----	delta-BHC	21	U
58-89-9-----	gamma-BHC (Lindane)	21	U
76-44-8-----	Heptachlor	21	U
309-00-2-----	Aldrin	21	U
1024-57-3-----	Heptachlor epoxide	21	U
959-98-8-----	Endosulfan I	21	U
60-57-1-----	Dieldrin	40	U
72-55-9-----	4,4'-DDE	40	U
72-20-8-----	Endrin	110	PD
33213-65-9-----	Endosulfan II	40	U
50-29-3-----	4,4'-DDD	40	U
1031-07-8-----	Endosulfan sulfate	31	JPD
50-29-3-----	4,4'-DDT	100	PD
72-43-5-----	Methoxychlor	210	U
53494-70-5-----	Endrin ketone	40	U
7421-36-3-----	Endrin aldehyde	40	U
5103-71-9-----	alpha-Chlordane	21	U
5103-74-2-----	gamma-Chlordane	23	PD
8001-35-2-----	Toxaphene	2100	U
12674-11-2-----	Aroclor-1016	400	U
11104-28-2-----	Aroclor-1221	820	U
11141-16-5-----	Aroclor-1232	400	U
53469-21-9-----	Aroclor-1242	400	U
12672-29-6-----	Aroclor-1248	400	U
11097-69-1-----	Aroclor-1254	1000	D
11096-82-5-----	Aroclor-1260	1700	D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X106

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580192

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC08

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 24

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	------------------------------	---

74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl Chloride	13	U
75-00-3-----	Chloroethane	13	UJ
75-09-2-----	Methylene Chloride	14	JK
67-64-1-----	Acetone	13	UJ
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
540-59-0-----	1,2-Dichloroethene (total)	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	13	UJ
71-55-6-----	1,1,1-Trichloroethane	7	J
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloropropane	13	U
10061-01-5-----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6-----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-Pentanone	13	UJ
591-78-6-----	2-Hexanone	13	UJ
127-18-4-----	Tetrachloroethene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	UJ
108-88-3-----	Toluene	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Xylene (total)	13	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X106

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID: <u>D580192</u>
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>		Lab File ID: <u>B0403LC08</u>
Level: (low/med) <u>LOW</u>		Date Received: <u>03/30/95</u>
% Moisture: not dec. <u>24</u>		Date Analyzed: <u>04/03/95</u>
GC Column: <u>DB-624</u>	ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)		Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X106Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580192Sample wt/vol: 30.10 (g/mL) GLab File ID: B0420E03Level: (low/med) LOWDate Received: 03/30/95% Moisture: 24 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	430	U
108-95-2-----	Phenol	430	U
111-44-4-----	bis(2-Chloroethyl)Ether	430	U
95-57-8-----	2-Chlorophenol	430	U
541-73-1-----	1,3-Dichlorobenzene	430	U
106-46-7-----	1,4-Dichlorobenzene	430	U
95-50-1-----	1,2-Dichlorobenzene	430	U
95-48-7-----	2-Methylphenol	430	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5-----	4-Methylphenol	430	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	430	U
67-72-1-----	Hexachloroethane	430	U
98-95-3-----	Nitrobenzene	430	U
78-59-1-----	Isophorone	430	U
88-75-5-----	2-Nitrophenol	430	U
105-67-9-----	2,4-Dimethylphenol	430	U
111-91-1-----	bis(2-Chloroethoxy)Methane	430	U
120-83-2-----	2,4-Dichlorophenol	430	U
120-82-1-----	1,2,4-Trichlorobenzene	430	U
91-20-3-----	Naphthalene	430	U
106-47-8-----	4-Chloroaniline	430	UJ
87-68-3-----	Hexachlorobutadiene	430	U
59-50-7-----	4-Chloro-3-Methylphenol	430	U
91-57-6-----	2-Methylnaphthalene	430	U
77-47-4-----	Hexachlorocyclopentadiene	430	U
88-06-2-----	2,4,6-Trichlorophenol	430	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	430	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	430	U
208-96-8-----	Acenaphthylene	430	U
606-20-2-----	2,6-Dinitrotoluene	430	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580192Sample wt/vol: 30.10 (g/mL) GLab File ID: B0420E03Level: (low/med) LOWDate Received: 03/30/95% Moisture: 24 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	430	U
121-14-2-----	2,4-Dinitrotoluene	430	U
84-66-2-----	Diethylphthalate	430	U
7005-72-3-----	4-Chlorophenyl-phenylether	430	U
86-73-7-----	Fluorene	430	U
100-10-6-----	4-Nitroaniline	1000	U J
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	430	U
101-55-3-----	4-Bromophenyl-phenylether	430	U
118-74-1-----	Hexachlorobenzene	430	U
87-86-5-----	Pentachlorophenol	1000	U J
85-01-8-----	Phenanthrene	180	J
120-12-7-----	Anthracene	430	U
86-74-8-----	Carbazole	430	U J
84-74-2-----	Di-n-Butylphthalate	200	J
206-44-0-----	Fluoranthene	270	J
129-00-0-----	Pyrene	190	J
85-68-7-----	Butylbenzylphthalate	430	U
91-94-1-----	3,3'-Dichlorobenzidine	430	U
56-55-3-----	Benzo(a)Anthracene	180	J
218-01-9-----	Chrysene	210	J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	430	U J
117-84-0-----	Di-n-Octyl Phthalate	430	U
205-99-2-----	Benzo(b)Fluoranthene	320	J
207-08-9-----	Benzo(k)Fluoranthene	430	U
50-32-8-----	Benzo(a)Pyrene	140	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3-----	Dibenz(a,h)Anthracene	430	U
191-24-2-----	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X106

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580192

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0420E03

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	580	BJ
2.	UNKNOWN BROMO HEXANE	11.18	1800	J
3.	UNKNOWN	12.53	2000	J
4.	UNKNOWN ALIP. HYDROCARBON	13.45	470	J
5.	UNKNOWN	13.83	1300	J
6.	UNKNOWN ALIP. HYDROCARBON	18.35	300	J
7.	UNKNOWN ALIP. HYDROCARBON	19.95	430	J
8.	UNKNOWN ALIP. HYDROCARBON	21.48	620	J
9.	UNKNOWN ALIP. HYDROCARBON	22.92	450	J
10.	UNKNOWN ALIP. HYDROCARBON	23.60	320	J
11.	UNKNOWN ALIP. HYDROCARBON	24.28	590	J
12.	UNKNOWN ALIP. HYDROCARBON	24.37	580	J
13.	UNKNOWN ALIP. HYDROCARBON	25.57	420	J
14.	UNKNOWN ALIP. HYDROCARBON	25.72	380	J
15.	UNKNOWN ALIP. HYDROCARBON	26.80	280	J
16.	UNKNOWN ALIP. ACID	27.53	460	J
17.	UNKNOWN ALIP. HYDROCARBON	27.98	290	J
18.	UNKNOWN ALIP. HYDROCARBON	29.12	280	J
19.	UNKNOWN	29.35	560	J
20.	UNKNOWN ALIP. HYDROCARBON	30.18	270	J
21.	UNKNOWN ALIP. HYDROCARBON	31.23	330	J
22.	UNKNOWN ALIP. HYDROCARBON	32.22	260	J
23.	UNKNOWN	33.18	840	J
24.	UNKNOWN	34.17	240	J
25.	UNKNOWN ALIP. HYDROCARBON	35.25	480	J
26.	UNKNOWN	37.15	600	J
27.	UNKNOWN ALIP. HYDROCARBON	37.98	1300	J
28.	UNKNOWN	38.13	400	J
29.	UNKNOWN PNA	39.23	240	J
30.	UNKNOWN ALIP. HYDROCARBON	41.90	570	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Sample Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580192

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	7.9	P
72-55-9-----	4,4'-DDE	6.6	P
72-20-8-----	Endrin	11	P
33213-65-9-----	Endosulfan II	20	
50-29-3-----	4,4'-DDD	4.3	U
1031-07-8-----	Endosulfan sulfate	3.3	JP
50-29-3-----	4,4'-DDT	15	P
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	0.45	JP
7421-36-3-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.2	U
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	88	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	250	
11096-82-5-----	Aroclor-1260	520	P

5/5 520

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580193

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0403LC07

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 38 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	UJ
75-09-2	Methylene Chloride	5	NJ
67-64-1	Acetone	16	UJ
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	UJ
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	UJ
591-78-6	2-Hexanone	16	UJ
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	UJ
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	UJ
75-09-2	Methylene Chloride	5	NJ
67-64-1	Acetone	16	UJ
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	UJ
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	UJ
591-78-6	2-Hexanone	16	UJ
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	UJ
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID: <u>D580193</u>
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>		Lab File ID: <u>B0403LC07</u>
Level: (low/med) <u>LOW</u>		Date Received: <u>03/30/95</u>
% Moisture: not dec. <u>38</u>		Date Analyzed: <u>04/03/95</u>
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)		Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)		Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004X201Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580193Sample wt/vol: 30.30 (g/mL) GLab File ID: B0420E05Level: (low/med) LOWDate Received: 03/30/95% Moisture: 38 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 10.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	530	U
108-95-2-----	Phenol	530	U
111-44-4-----	bis(2-Chloroethyl) Ether	530	U
95-57-8-----	2-Chlorophenol	530	U
541-73-1-----	1,3-Dichlorobenzene	530	U
106-46-7-----	1,4-Dichlorobenzene	530	U
95-50-1-----	1,2-Dichlorobenzene	530	U
95-48-7-----	2-Methylphenol	530	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	530	U
106-44-5-----	4-Methylphenol	530	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	530	U
67-72-1-----	Hexachloroethane	530	U
98-95-3-----	Nitrobenzene	530	U
78-59-1-----	Isophorone	530	U
88-75-5-----	2-Nitrophenol	530	U
105-67-9-----	2,4-Dimethylphenol	530	U
111-91-1-----	bis(2-Chloroethoxy)Methane	530	U
120-83-2-----	2,4-Dichlorophenol	530	U
120-82-1-----	1,2,4-Trichlorobenzene	530	U
91-20-3-----	Naphthalene	530	U
106-47-8-----	4-Chloroaniline	530	UJ
87-68-3-----	Hexachlorobutadiene	530	U
59-50-7-----	4-Chloro-3-Methylphenol	530	U
91-57-6-----	2-Methylnaphthalene	530	U
77-47-4-----	Hexachlorocyclopentadiene	530	U
88-06-2-----	2,4,6-Trichlorophenol	530	U
95-95-4-----	2,4,5-Trichlorophenol	1300	U
91-58-7-----	2-Chloronaphthalene	530	U
88-74-4-----	2-Nitroaniline	1300	U
131-11-3-----	Dimethylphthalate	530	U
208-96-8-----	Acenaphthylene	530	U
606-20-2-----	2,6-Dinitrotoluene	530	U
99-09-2-----	3-Nitroaniline	1300	U
83-32-9-----	Acenaphthene	530	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X201

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580193Sample wt/vol: 30.30 (g/mL) G Lab File ID: B0420E05Level: (low/med) LOW Date Received: 03/30/95% Moisture: 38 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95Injection Volume: 2.0(uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 10.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	1300	U
51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	530	U
121-14-2-----	2,4-Dinitrotoluene	530	U
84-66-2-----	Diethylphthalate	530	U
7005-72-3-----	4-Chlorophenyl-phenylether	530	U
86-73-7-----	Fluorene	530	U
100-10-6-----	4-Nitroaniline	1300	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	530	U
101-55-3-----	4-Bromophenyl-phenylether	530	U
118-74-1-----	Hexachlorobenzene	530	U
87-86-5-----	Pentachlorophenol	1300	UJ
85-01-8-----	Phenanthrene	240	J
120-12-7-----	Anthracene	530	U
86-74-8-----	Carbazole	530	UJ
84-74-2-----	Di-n-Butylphthalate	250	J
206-44-0-----	Fluoranthene	330	J
129-00-0-----	Pyrene	230	J
85-68-7-----	Butylbenzylphthalate	530	U
91-94-1-----	3,3'-Dichlorobenzidine	530	U
56-55-3-----	Benzo(a)Anthracene	200	J
218-01-9-----	Chrysene	210	J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	530	UJ
117-84-0-----	Di-n-Octyl Phthalate	530	U
205-99-2-----	Benzo(b)Fluoranthene	270	J
207-08-9-----	Benzo(k)Fluoranthene	530	U
50-32-8-----	Benzo(a)Pyrene	140	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	530	U
53-70-3-----	Dibenz(a,h)Anthracene	530	U
191-24-2-----	Benzo(g,h,i)Perylene	530	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X201

Lab Code: SPFLD Case No.: ALLIED

SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580193

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: B0420E05

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	890	BJ
2.	UNKNOWN BROMO HEXANE	11.18	1900	J
3.	UNKNOWN ALIP. KETONE	11.57	780	BAJ
4.	UNKNOWN	12.55	2800	J
5.	UNKNOWN	13.85	1400	J
6.	UNKNOWN ALIP. HYDROCARBON	24.28	3100	J
7.	UNKNOWN ALIP. HYDROCARBON	25.72	940	J
8.	UNKNOWN ALIP. HYDROCARBON	26.02	330	J
9.	UNKNOWN	26.82	220	J
10.	UNKNOWN ALIP. ACID	27.55	400	J
11.	UNKNOWN ALIP. HYDROCARBON	28.00	190	J
12.	UNKNOWN	28.92	390	J
13.	UNKNOWN ALIP. HYDROCARBON	29.12	200	J
14.	UNKNOWN	29.37	990	J
15.	UNKNOWN	30.53	1300	J
16.	UNKNOWN ALIP. HYDROCARBON	30.60	200	J
17.	UNKNOWN	31.18	1400	BJ
18.	UNKNOWN	32.23	340	J
19.	UNKNOWN	32.60	850	J
20.	UNKNOWN	33.20	2700	BJ
21.	UNKNOWN ALIP. HYDROCARBON	34.17	470	J
22.	UNKNOWN ALIP. HYDROCARBON	34.82	370	J
23.	UNKNOWN ALIP. HYDROCARBON	35.25	1500	J
24.	UNKNOWN	35.73	210	J
25.	UNKNOWN	36.52	260	J
26.	UNKNOWN	37.05	340	J
27.	UNKNOWN	37.17	940	J
28.	UNKNOWN ALIP. HYDROCARBON	38.00	2100	J
29.	UNKNOWN	38.15	270	J
30.	UNKNOWN PNA	39.23	290	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580193</u>	
Sample wt/vol: <u>30.0</u> (g/mL) <u>G</u>	Lab File ID: _____	
% Moisture: <u>38</u> decanted: (Y/N) <u>N</u>	Date Received: <u>03/30/95</u>	
Extraction: (SepF/Cont/Sonc) <u>SONC</u>	Date Extracted: <u>04/03/95</u>	
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>04/20/95</u>	
Injection Volume: <u>1.00</u> (uL)	Dilution Factor: <u>1.00</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>10.1</u>	Sulfur Cleanup: (Y/N) <u>N</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.7	U
319-85-7-----	beta-BHC	2.7	U
319-86-8-----	delta-BHC	2.7	U
58-89-9-----	gamma-BHC (Lindane)	11	P
76-44-8-----	Heptachlor	2.7	U
309-00-2-----	Aldrin	2.7	U
1024-57-3-----	Heptachlor epoxide	2.7	U
959-98-8-----	Endosulfan I	2.7	U
60-57-1-----	Dieldrin	0.21	JP
72-55-9-----	4,4'-DDE	15	
72-20-8-----	Endrin	3.4	J
33213-65-9-----	Endosulfan II	5.3	U
50-29-3-----	4,4'-DDD	9.4	
1031-07-8-----	Endosulfan sulfate	5.3	U
50-29-3-----	4,4'-DDT	1.2	JP
72-43-5-----	Methoxychlor	27	U
53494-70-5-----	Endrin ketone	5.3	U
7421-36-3-----	Endrin aldehyde	5.3	U
5103-71-9-----	alpha-Chlordane	2.7	U
5103-74-2-----	gamma-Chlordane	2.7	U
8001-35-2-----	Toxaphene	270	U
12674-11-2-----	Aroclor-1016	53	U
11104-28-2-----	Aroclor-1221	110	U
11141-16-5-----	Aroclor-1232	53	U
53469-21-9-----	Aroclor-1242	53	U
12672-29-6-----	Aroclor-1248	53	U
11097-69-1-----	Aroclor-1254	35	J
11096-82-5-----	Aroclor-1260	51	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580194</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>B0403LC06</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: not dec. <u>23</u>	Date Analyzed: <u>04/03/95</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane _____	13	U
74-83-9-----	Bromomethane _____	13	U
75-01-4-----	Vinyl Chloride _____	13	U
75-00-3-----	Chloroethane _____	13	UJ
75-09-2-----	Methylene Chloride _____	3	RJ
67-64-1-----	Acetone _____	13	UJ
75-15-0-----	Carbon Disulfide _____	13	U
75-35-4-----	1,1-Dichloroethene _____	13	U
75-34-3-----	1,1-Dichloroethane _____	13	U
540-59-0-----	1,2-Dichloroethene (total) _____	13	U
67-66-3-----	Chloroform _____	13	U
107-06-2-----	1,2-Dichloroethane _____	13	U
78-93-3-----	2-Butanone _____	13	U
71-55-6-----	1,1,1-Trichloroethane _____	13	U
56-23-5-----	Carbon Tetrachloride _____	13	U
75-27-4-----	Bromodichloromethane _____	13	U
78-87-5-----	1,2-Dichloropropane _____	13	U
10061-01-5-----	cis-1,3-Dichloropropene _____	13	U
79-01-6-----	Trichloroethene _____	13	U
124-48-1-----	Dibromochloromethane _____	13	U
79-00-5-----	1,1,2-Trichloroethane _____	13	U
71-43-2-----	Benzene _____	13	U
10061-02-6-----	trans-1,3-Dichloropropene _____	13	U
75-25-2-----	Bromoform _____	13	U
108-10-1-----	4-Methyl-2-Pentanone _____	13	UJ
591-78-6-----	2-Hexanone _____	13	UJ
127-18-4-----	Tetrachloroethene _____	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane _____	13	UJ
108-88-3-----	Toluene _____	13	U
108-90-7-----	Chlorobenzene _____	13	U
100-41-4-----	Ethylbenzene _____	13	U
100-42-5-----	Styrene _____	13	U
1330-20-7-----	Xylene (total) _____	13	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X202

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580194

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC06

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 23

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPAContract: 0316550004

X202

Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580194Sample wt/vol: 30.10 (g/mL) GLab File ID: B0419E05Level: (low/med) LOWDate Received: 03/30/95% Moisture: 23 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/19/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.9CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

108-95-2-----	Phenol	430	U
111-44-4-----	bis(2-Chloroethyl)Ether	430	U
95-57-8-----	2-Chlorophenol	430	U
541-73-1-----	1,3-Dichlorobenzene	430	U
106-46-7-----	1,4-Dichlorobenzene	430	U
95-50-1-----	1,2-Dichlorobenzene	430	U
95-48-7-----	2-Methylphenol	430	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5-----	4-Methylphenol	430	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	430	U
67-72-1-----	Hexachloroethane	430	U
98-95-3-----	Nitrobenzene	430	U
78-59-1-----	Isophorone	430	U
88-75-5-----	2-Nitrophenol	430	U
105-67-9-----	2,4-Dimethylphenol	430	U
111-91-1-----	bis(2-Chloroethoxy)Methane	430	U
120-83-2-----	2,4-Dichlorophenol	430	U
120-82-1-----	1,2,4-Trichlorobenzene	430	U
91-20-3-----	Naphthalene	430	U
106-47-8-----	4-Chloroaniline	430	U
87-68-3-----	Hexachlorobutadiene	430	U
59-50-7-----	4-Chloro-3-Methylphenol	430	U
91-57-6-----	2-Methylnaphthalene	430	U
77-47-4-----	Hexachlorocyclopentadiene	430	U
88-06-2-----	2,4,6-Trichlorophenol	430	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	430	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	430	U
208-96-8-----	Acenaphthylene	430	U
606-20-2-----	2,6-Dinitrotoluene	430	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580194

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0419E05

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 23 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	(ug/L or ug/Kg)	UG/KG	Q
51-28-5-----	2,4-Dinitrophenol		1000	U	
100-02-7-----	4-Nitrophenol		1000	U	
132-64-9-----	Dibenzofuran		430	U	
121-14-2-----	2,4-Dinitrotoluene		430	U	
84-66-2-----	Diethylphthalate		430	U	
7005-72-3-----	4-Chlorophenyl-phenylether		430	U	
86-73-7-----	Fluorene		430	U	
100-10-6-----	4-Nitroaniline		1000	U	R
534-52-1-----	4,6-Dinitro-2-methylphenol		1000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)		430	U	
101-55-3-----	4-Bromophenyl-phenylether		430	U	
118-74-1-----	Hexachlorobenzene		430	U	
87-86-5-----	Pentachlorophenol		1000	U	
85-01-8-----	Phenanthrene		240	J	
120-12-7-----	Anthracene		430	U	
86-74-8-----	Carbazole		430	U	
84-74-2-----	Di-n-Butylphthalate		270	J	
206-44-0-----	Fluoranthene		200	J	
129-00-0-----	Pyrene		100	J	
85-68-7-----	Butylbenzylphthalate		430	U	
91-94-1-----	3,3'-Dichlorobenzidine		430	U	
56-55-3-----	Benzo(a)Anthracene		430	U	
218-01-9-----	Chrysene		430	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate		430	U	J
117-84-0-----	Di-n-Octyl Phthalate		430	U	
205-99-2-----	Benzo(b)Fluoranthene		430	U	
207-08-9-----	Benzo(k)Fluoranthene		430	U	
50-32-8-----	Benzo(a)Pyrene		430	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene		430	U	
53-70-3-----	Dibenz(a,h)Anthracene		430	U	
191-24-2-----	Benzo(g,h,i)Perylene		430	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580194

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0419E05

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.72	160	J
2.	UNKNOWN	10.85	810	BJ
3.	UNKNOWN BROMO HEXANE	11.20	1200	J
4.	UNKNOWN ALIP. KETONE	11.57	880	BAJ
5.	UNKNOWN	12.55	1500	J
6.	UNKNOWN	13.85	1200	J
7.	UNKNOWN	16.72	120	BJ
8.	UNKNOWN ALIP. HYDROCARBON	18.35	140	J
9.	UNKNOWN ALIP. HYDROCARBON	19.97	210	J
10.	UNK. DIMETHYL NAPHTHALENE	20.72	200	J
11.	UNKNOWN ALIP. HYDROCARBON	21.48	370	J
12.	UNKNOWN ALIP. HYDROCARBON	22.92	240	J
13.	UNKNOWN ALIP. HYDROCARBON	23.60	160	J
14.	UNKNOWN ALIP. HYDROCARBON	24.28	310	J
15.	UNKNOWN ALIP. HYDROCARBON	24.38	300	J
16.	UNKNOWN ALIP. HYDROCARBON	25.58	170	J
17.	UNKNOWN ALIP. HYDROCARBON	25.72	230	J
18.	UNKNOWN	26.82	110	J
19.	UNKNOWN ALIP. ACID	27.55	560	J
20.	UNKNOWN ALIP. HYDROCARBON	29.12	130	J
21.	UNKNOWN ALIP. HYDROCARBON	31.23	130	J
22.	UNKNOWN	33.20	640	BJ
23.	UNKNOWN ALIP. HYDROCARBON	37.95	260	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Sample Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID: <u>D580194</u>
Sample wt/vol: <u>30.1</u> (g/mL) <u>G</u>		Lab File ID: _____
% Moisture: <u>23</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>03/30/95</u>
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>04/03/95</u>
Concentrated Extract Volume: <u>5000</u> (uL)		Date Analyzed: <u>04/20/95</u>
Injection Volume: <u>1.00</u> (uL)		Dilution Factor: <u>1.00</u>
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>8.9</u>	Sulfur Cleanup: (Y/N) <u>N</u>

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	------------------------------	---

319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	0.13	JP
72-55-9-----	4,4'-DDE	4.3	U
72-20-8-----	Endrin	4.3	U
33213-65-9-----	Endosulfan II	4.3	U
50-29-3-----	4,4'-DDD	4.3	U
1031-07-8-----	Endosulfan sulfate	4.3	U
50-29-3-----	4,4'-DDT	4.3	U
72-43-5-----	Methoxychlor	2.5	JP
53494-70-5-----	Endrin ketone	4.3	U
7421-36-3-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.2	U
8001-35-2-----	Toxaphene	3.8	JP
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	87	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	43	U
11096-82-5-----	Aroclor-1260	53	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580195

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0403LC05

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 39 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>16</u>	<u>U</u>
<u>74-83-9-----Bromomethane</u>	<u>16</u>	<u>U</u>
<u>75-01-4-----Vinyl Chloride</u>	<u>16</u>	<u>U</u>
<u>75-00-3-----Chloroethane</u>	<u>16</u>	<u>UJ</u>
<u>75-09-2-----Methylene Chloride</u>	<u>4</u>	<u>UJ</u>
<u>67-64-1-----Acetone</u>	<u>53</u>	<u>J</u>
<u>75-15-0-----Carbon Disulfide</u>	<u>16</u>	<u>U</u>
<u>75-35-4-----1,1-Dichloroethene</u>	<u>16</u>	<u>U</u>
<u>75-34-3-----1,1-Dichloroethane</u>	<u>16</u>	<u>U</u>
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>16</u>	<u>U</u>
<u>67-66-3-----Chloroform</u>	<u>16</u>	<u>U</u>
<u>107-06-2-----1,2-Dichloroethane</u>	<u>16</u>	<u>U</u>
<u>78-93-3-----2-Butanone</u>	<u>21</u>	<u>J</u>
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>16</u>	<u>U</u>
<u>56-23-5-----Carbon Tetrachloride</u>	<u>16</u>	<u>U</u>
<u>75-27-4-----Bromodichloromethane</u>	<u>16</u>	<u>U</u>
<u>78-87-5-----1,2-Dichloropropane</u>	<u>16</u>	<u>U</u>
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>16</u>	<u>U</u>
<u>79-01-6-----Trichloroethene</u>	<u>16</u>	<u>U</u>
<u>124-48-1-----Dibromochloromethane</u>	<u>16</u>	<u>U</u>
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>16</u>	<u>U</u>
<u>71-43-2-----Benzene</u>	<u>16</u>	<u>U</u>
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>16</u>	<u>U</u>
<u>75-25-2-----Bromoform</u>	<u>16</u>	<u>U</u>
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>16</u>	<u>UJ</u>
<u>591-78-6-----2-Hexanone</u>	<u>16</u>	<u>UJ</u>
<u>127-18-4-----Tetrachloroethene</u>	<u>16</u>	<u>U</u>
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>16</u>	<u>UJ</u>
<u>108-88-3-----Toluene</u>	<u>16</u>	<u>U</u>
<u>108-90-7-----Chlorobenzene</u>	<u>16</u>	<u>U</u>
<u>100-41-4-----Ethylbenzene</u>	<u>16</u>	<u>U</u>
<u>100-42-5-----Styrene</u>	<u>16</u>	<u>U</u>
<u>1330-20-7-----Xylene (total)</u>	<u>16</u>	<u>U</u>

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580195

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: B0403LC05

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 39

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X203

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580195Sample wt/vol: 30.10 (g/mL) GLab File ID: B0420E04Level: (low/med) LOWDate Received: 03/30/95% Moisture: 39 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	Q
108-95-2	-----Phenol	540 U
111-44-4	-----bis(2-Chloroethyl)Ether	540 U
95-57-8	-----2-Chlorophenol	540 U
541-73-1	-----1,3-Dichlorobenzene	540 U
106-46-7	-----1,4-Dichlorobenzene	540 U
95-50-1	-----1,2-Dichlorobenzene	540 U
95-48-7	-----2-Methylphenol	540 U
108-60-1	-----2,2'-oxybis(1-Chloropropane)	540 U
106-44-5	-----4-Methylphenol	540 U
621-64-7	-----N-Nitroso-Di-n-Propylamine	540 U
67-72-1	-----Hexachloroethane	540 U
98-95-3	-----Nitrobenzene	540 U
78-59-1	-----Isophorone	540 U
88-75-5	-----2-Nitrophenol	540 U
105-67-9	-----2,4-Dimethylphenol	540 U
111-91-1	-----bis(2-Chloroethoxy)Methane	540 U
120-83-2	-----2,4-Dichlorophenol	540 U
120-82-1	-----1,2,4-Trichlorobenzene	540 U
91-20-3	-----Naphthalene	540 U
106-47-8	-----4-Chloroaniline	540 U
87-68-3	-----Hexachlorobutadiene	540 U
59-50-7	-----4-Chloro-3-Methylphenol	540 U
91-57-6	-----2-Methylnaphthalene	540 U
77-47-4	-----Hexachlorocyclopentadiene	540 U
88-06-2	-----2,4,6-Trichlorophenol	540 U
95-95-4	-----2,4,5-Trichlorophenol	1300 U
91-58-7	-----2-Chloronaphthalene	540 U
88-74-4	-----2-Nitroaniline	1300 U
131-11-3	-----Dimethylphthalate	540 U
208-96-8	-----Acenaphthylene	540 U
606-20-2	-----2,6-Dinitrotoluene	540 U
99-09-2	-----3-Nitroaniline	1300 U
83-32-9	-----Acenaphthene	540 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOIL Lab Sample ID: D580195Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0420E04Level: (low/med) LOW Date Received: 03/30/95% Moisture: 39 decanted: (Y/N) N Date Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95Injection Volume: 2.0(uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1300 U
100-02-7-----	4-Nitrophenol	1300 U
132-64-9-----	Dibenzofuran	540 U
121-14-2-----	2,4-Dinitrotoluene	540 U
84-66-2-----	Diethylphthalate	540 U
7005-72-3-----	4-Chlorophenyl-phenylether	540 U
86-73-7-----	Fluorene	540 U
100-10-6-----	4-Nitroaniline	1300 UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1300 U
86-30-6-----	N-Nitrosodiphenylamine (1)	540 U
101-55-3-----	4-Bromophenyl-phenylether	540 U
118-74-1-----	Hexachlorobenzene	540 U
87-86-5-----	Pentachlorophenol	1300 U
85-01-8-----	Phenanthrene	130 J
120-12-7-----	Anthracene	540 U
86-74-8-----	Carbazole	540 U
84-74-2-----	Di-n-Butylphthalate	180 J
206-44-0-----	Fluoranthene	200 J
129-00-0-----	Pyrene	170 J
85-68-7-----	Butylbenzylphthalate	540 U
91-94-1-----	3,3'-Dichlorobenzidine	540 U
56-55-3-----	Benzo(a)Anthracene	540 U
218-01-9-----	Chrysene	540 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	540 UJ
117-84-0-----	Di-n-Octyl Phthalate	540 U
205-99-2-----	Benzo(b)Fluoranthene	130 J
207-08-9-----	Benzo(k)Fluoranthene	540 U
50-32-8-----	Benzo(a)Pyrene	540 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	540 U
53-70-3-----	Dibenz(a,h)Anthracene	540 U
191-24-2-----	Benzo(g,h,i)Perylene	540 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X203

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580195

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0420E04

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 39 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.88	520	BJ
2.	UNKNOWN ALIP. KETONE	11.60	600	BAJ
3.	UNKNOWN	12.55	2100	J
4.	UNKNOWN	13.85	1600	J
5.	UNKNOWN	16.73	260	BJ
6.	UNKNOWN ALIP. HYDROCARBON	21.50	180	J
7.	UNKNOWN ALIP. ACID	23.05	190	J
8.	UNKNOWN ALIP. HYDROCARBON	24.30	1500	J
9.	UNKNOWN ALIP. HYDROCARBON	24.88	270	J
10.	UNKNOWN ALIP. HYDROCARBON	25.58	270	J
11.	UNKNOWN ALIP. HYDROCARBON	25.72	230	J
12.	UNKNOWN ALIP. HYDROCARBON	26.82	350	J
13.	UNKNOWN ALIP. ACID	27.55	370	J
14.	UNKNOWN ALIP. HYDROCARBON	28.00	150	J
15.	UNKNOWN ALIP. HYDROCARBON	29.12	150	J
16.	UNKNOWN ALIP. HYDROCARBON	31.23	520	J
17.	UNKNOWN ALIP. HYDROCARBON	33.20	1100	J
18.	UNKNOWN	33.60	410	J
19.	UNKNOWN ALIP. HYDROCARBON	35.25	820	J
20.	UNKNOWN	37.17	340	J
21.	UNKNOWN ALIP. HYDROCARBON	38.00	2000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580195

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: _____

% Moisture: 39 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	2.8	U
319-85-7-----	beta-BHC	2.8	U
319-86-8-----	delta-BHC	2.8	U
58-89-9-----	gamma-BHC (Lindane)	2.8	U
76-44-8-----	Heptachlor	2.8	U
309-00-2-----	Aldrin	2.8	U
1024-57-3-----	Heptachlor epoxide	2.8	U
959-98-8-----	Endosulfan I	2.8	U
60-57-1-----	Dieldrin	0.58	JP
72-55-9-----	4,4'-DDE	5.4	U
72-20-8-----	Endrin	5.4	U
33213-65-9-----	Endosulfan II	5.4	U
50-29-3-----	4,4'-DDD	5.2	JP
1031-07-8-----	Endosulfan sulfate	5.4	U
50-29-3-----	4,4'-DDT	1.4	JP
72-43-5-----	Methoxychlor	28	U
53494-70-5-----	Endrin ketone	5.4	U
7421-36-3-----	Endrin aldehyde	5.4	U
5103-71-9-----	alpha-Chlordane	0.75	J
5103-74-2-----	gamma-Chlordane	2.8	U
8001-35-2-----	Toxaphene	280	U
12674-11-2-----	Aroclor-1016	54	U
11104-28-2-----	Aroclor-1221	110	U
11141-16-5-----	Aroclor-1232	54	U
53469-21-9-----	Aroclor-1242	54	U
12672-29-6-----	Aroclor-1248	54	U
11097-69-1-----	Aroclor-1254	31	J
11096-82-5-----	Aroclor-1260	72	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	X204
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580196</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>B0403LC04</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: not dec. <u>23</u>	Date Analyzed: <u>04/03/95</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl Chloride	13	U
75-00-3-----	Chloroethane	13	UJ
75-09-2-----	Methylene Chloride	3	UJ
67-64-1-----	Acetone	22	J
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
540-59-0-----	1,2-Dichloroethene (total)	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	10	J
71-55-6-----	1,1,1-Trichloroethane	13	U
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloropropane	13	U
10061-01-5-----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6-----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-Pentanone	13	UJ
591-78-6-----	2-Hexanone	13	UJ
127-18-4-----	Tetrachloroethene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	UJ
108-88-3-----	Toluene	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Xylene (total)	13	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X204

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580196Sample wt/vol: 5.0 (g/mL) GLab File ID: B0403LC04Level: (low/med) LOWDate Received: 03/30/95% Moisture: not dec. 23Date Analyzed: 04/03/95GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	X204
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580196</u>	
Sample wt/vol: <u>30.30</u> (g/mL) <u>G</u>	Lab File ID: <u>B0419E06</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: <u>23</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>04/03/95</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>04/19/95</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>8.1</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q

CAS NO.	COMPOUND			Q
108-95-2-----	Phenol	420	U	
111-44-4-----	bis(2-Chloroethyl) Ether	420	U	
95-57-8-----	2-Chlorophenol	420	U	
541-73-1-----	1,3-Dichlorobenzene	420	U	
106-46-7-----	1,4-Dichlorobenzene	420	U	
95-50-1-----	1,2-Dichlorobenzene	420	U	
95-48-7-----	2-Methylphenol	420	U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U	
106-44-5-----	4-Methylphenol	420	U	
621-64-7-----	N-Nitroso-Di-n-Propylamine	420	U	
67-72-1-----	Hexachloroethane	420	U	
98-95-3-----	Nitrobenzene	420	U	
78-59-1-----	Isophorone	420	U	
88-75-5-----	2-Nitrophenol	420	U	
105-67-9-----	2,4-Dimethylphenol	420	U	
111-91-1-----	bis(2-Chloroethoxy) Methane	420	U	
120-83-2-----	2,4-Dichlorophenol	420	U	
120-82-1-----	1,2,4-Trichlorobenzene	420	U	
91-20-3-----	Naphthalene	420	U	
106-47-8-----	4-Chloroaniline	420	U	
87-68-3-----	Hexachlorobutadiene	420	U	
59-50-7-----	4-Chloro-3-Methylphenol	420	U	
91-57-6-----	2-Methylnaphthalene	420	U	
77-47-4-----	Hexachlorocyclopentadiene	420	U	
88-06-2-----	2,4,6-Trichlorophenol	420	U	
95-95-4-----	2,4,5-Trichlorophenol	1000	U	
91-58-7-----	2-Chloronaphthalene	420	U	
88-74-4-----	2-Nitroaniline	1000	U	
131-11-3-----	Dimethylphthalate	420	U	
208-96-8-----	Acenaphthylene	420	U	
606-20-2-----	2,6-Dinitrotoluene	420	U	
99-09-2-----	3-Nitroaniline	1000	U	
83-32-9-----	Acenaphthene	420	U	

SEMIVOLATILE ORGANICS' ANALYSIS DATA SHEET

X204

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLDCase No.: ALLIED

SAS No.: _____

SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580196Sample wt/vol: 30.30 (g/mL) GLab File ID: B0419E06Level: (low/med) LOWDate Received: 03/30/95% Moisture: 23 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/19/95Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1000 U
100-02-7-----	4-Nitrophenol	1000 U
132-64-9-----	Dibenzofuran	420 U
121-14-2-----	2,4-Dinitrotoluene	420 U
84-66-2-----	Diethylphthalate	420 U
7005-72-3-----	4-Chlorophenyl-phenylether	420 U
86-73-7-----	Fluorene	420 U
100-10-6-----	4-Nitroaniline	1000 UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1000 U
86-30-6-----	N-Nitrosodiphenylamine (1)	420 U
101-55-3-----	4-Bromophenyl-phenylether	420 U
118-74-1-----	Hexachlorobenzene	420 U
87-86-5-----	Pentachlorophenol	1000 U
85-01-8-----	Phenanthrene	210 J
120-12-7-----	Anthracene	420 U
86-74-8-----	Carbazole	420 U
84-74-2-----	Di-n-Butylphthalate	150 J
206-44-0-----	Fluoranthene	290 J
129-00-0-----	Pyrene	180 J
85-68-7-----	Butylbenzylphthalate	420 U
91-94-1-----	3,3'-Dichlorobenzidine	420 U
56-55-3-----	Benzo(a)Anthracene	130 J
218-01-9-----	Chrysene	130 J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420 UJ
117-84-0-----	Di-n-Octyl Phthalate	420 U
205-99-2-----	Benzo(b)Fluoranthene	180 J
207-08-9-----	Benzo(k)Fluoranthene	420 U
50-32-8-----	Benzo(a)Pyrene	420 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420 U
53-70-3-----	Dibenz(a,h)Anthracene	420 U
191-24-2-----	Benzo(g,h,i)Perylene	420 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X204

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580196

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: B0419E06

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	410	BJ
2.	UNKNOWN BROMO HEXANE	11.17	1100	J
3.	UNKNOWN ALIP. KETONE	11.57	460	BAJ
4.	UNKNOWN	12.52	1200	J
5.	UNKNOWN	13.82	870	J
6.	UNKNOWN ALIP. HYDROCARBON	24.27	1000	J
7.	UNKNOWN	26.63	250	J
8.	UNKNOWN	27.32	230	J
9.	UNKNOWN ALIP. ACID	27.52	530	J
10.	UNKNOWN ALIP. HYDROCARBON	31.20	300	J
11.	UNKNOWN ALIP. HYDROCARBON	33.17	1000	J
12.	UNKNOWN ALIP. HYDROCARBON	34.13	230	J
13.	UNKNOWN	34.53	630	J
14.	UNKNOWN	34.92	720	J
15.	UNKNOWN ALIP. HYDROCARBON	35.22	1600	J
16.	UNKNOWN	35.67	1100	J
17.	UNKNOWN	36.12	2300	J
18.	UNKNOWN ALIP. HYDROCARBON	36.45	280	J
19.	UNKNOWN	36.97	1100	J
20.	UNKNOWN	37.10	1200	J
21.	UNKNOWN	37.53	1500	J
22.	UNKNOWN ALIP. HYDROCARBON	37.93	2400	J
23.	UNKNOWN ALIP. HYDROCARBON	38.10	410	J
24.	UNKNOWN	38.52	1100	J
25.	UNKNOWN	39.18	2000	J
26.	UNKNOWN	40.40	260	J
27.	UNKNOWN	40.67	330	J
28.	UNKNOWN	41.18	400	J
29.	UNKNOWN ALIP. HYDROCARBON	41.80	350	J
30.	UNKNOWN	50.35	540	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

b Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580196

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	Q
319-84-6-----	alpha-BHC		2.2	U
319-85-7-----	beta-BHC		2.2	U
319-86-8-----	delta-BHC		2.2	U
58-89-9-----	gamma-BHC (Lindane)		2.2	U
76-44-8-----	Heptachlor		2.2	U
309-00-2-----	Aldrin		2.2	U
1024-57-3-----	Heptachlor epoxide		2.2	U
959-98-8-----	Endosulfan I		0.21	JP
60-57-1-----	Dieldrin		0.11	JP
72-55-9-----	4, 4'-DDE		1.7	JP
72-20-8-----	Endrin		0.79	JP
33213-65-9-----	Endosulfan II		4.3	U
50-29-3-----	4, 4'-DDD		3.9	J
1031-07-8-----	Endosulfan sulfate		4.3	U
50-29-3-----	4, 4'-DDT		4.3	U
72-43-5-----	Methoxychlor		4.4	JP
53494-70-5-----	Endrin ketone		4.3	U
7421-36-3-----	Endrin aldehyde		4.3	U
5103-71-9-----	alpha-Chlordane		2.2	U
5103-74-2-----	gamma-Chlordane		2.2	U
8001-35-2-----	Toxaphene		220	U
12674-11-2-----	Aroclor-1016		43	U
11104-28-2-----	Aroclor-1221		86	U
11141-16-5-----	Aroclor-1232		43	U
53469-21-9-----	Aroclor-1242		43	U
12672-29-6-----	Aroclor-1248		43	U
11097-69-1-----	Aroclor-1254		43	U
11096-82-5-----	Aroclor-1260		50	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X205

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK04

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 26

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	U
75-09-2-----	Methylene Chloride	14	U
67-64-1-----	Acetone	23	J
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (total)	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	6	J
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5-----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6-----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-Pentanone	14	UJ
591-78-6-----	2-Hexanone	14	UJ
127-18-4-----	Tetrachloroethene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-88-3-----	Toluene	14	U
108-90-7-----	Chlorobenzene	14	U
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7-----	Xylene (total)	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK04

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 26

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
108-95-2-----	Phenol	440	U
111-44-4-----	bis(2-Chloroethyl)Ether	440	U
95-57-8-----	2-Chlorophenol	440	U
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	440	U
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	440	U
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethylphenol	440	U
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	440	U
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
87-68-3-----	Hexachlorobutadiene	440	U
59-50-7-----	4-Chloro-3-Methylphenol	440	U
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

b Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-10-6-----	4-Nitroaniline	1100	UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	120	J
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-Butylphthalate	210	J
206-44-0-----	Fluoranthene	210	J
129-00-0-----	Pyrene	120	J
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)Anthracene	440	U
218-01-9-----	Chrysene	440	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	440	U J
117-84-0-----	Di-n-Octyl Phthalate	440	U
205-99-2-----	Benzo(b)Fluoranthene	440	U
207-08-9-----	Benzo(k)Fluoranthene	440	U
50-32-8-----	Benzo(a)Pyrene	440	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U
53-70-3-----	Dibenz(a,h)Anthracene	440	U
191-24-2-----	Benzo(g,h,i)Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X205

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/19/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	750	BJ
2.	UNKNOWN	11.18	1700	J
3.	UNKNOWN ALIP. KETONE	11.57	650	BAJ
4.	UNKNOWN	12.53	2400	J
5.	UNKNOWN	13.83	1700	J
6.	UNKNOWN ALIP. HYDROCARBON	24.28	1300	J
7.	UNKNOWN ALIP. ACID	27.53	720	J
8.	UNKNOWN ALIP. ALCOHOL	29.02	480	BJ
9.	UNKNOWN ALIP. HYDROCARBON	31.22	740	J
10.	UNKNOWN ALIP. HYDROCARBON	32.22	320	J
11.	UNKNOWN	33.18	1500	BJ
12.	UNKNOWN	33.28	530	J
13.	UNKNOWN	33.55	360	J
14.	UNKNOWN ALIP. HYDROCARBON	34.15	540	J
15.	UNKNOWN	34.55	830	J
16.	UNKNOWN	34.95	1100	J
17.	UNKNOWN ALIP. HYDROCARBON	35.23	2100	J
18.	UNKNOWN	35.70	1700	J
19.	UNKNOWN	36.15	3300	J
20.	UNKNOWN ALIP. HYDROCARBON	36.48	660	J
21.	UNKNOWN	37.00	1600	J
22.	UNKNOWN	37.13	1200	J
23.	UNKNOWN	37.55	2000	J
24.	UNKNOWN ALIP. HYDROCARBON	37.95	4300	J
25.	UNKNOWN	38.12	270	J
26.	UNKNOWN	38.55	1700	J
27.	UNKNOWN	39.20	2600	J
28.	UNKNOWN	40.42	310	J
29.	UNKNOWN	40.68	620	J
30.	UNKNOWN	41.22	480	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580181

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	2.3	U
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	U
58-89-9-----	gamma-BHC (Lindane)	2.3	U
76-44-8-----	Heptachlor	2.3	U
309-00-2-----	Aldrin	2.3	U
1024-57-3-----	Heptachlor epoxide	2.3	U
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	0.16	JP
72-55-9-----	4,4'-DDE	4.4	U
72-20-8-----	Endrin	4.4	U
33213-65-9-----	Endosulfan II	4.4	U
50-29-3-----	4,4'-DDD	3.6	J
1031-07-8-----	Endosulfan sulfate	4.4	U
50-29-3-----	4,4'-DDT	0.73	JP
72-43-5-----	Methoxychlor	23	U
53494-70-5-----	Endrin ketone	4.4	U
7421-36-3-----	Endrin aldehyde	4.4	U
5103-71-9-----	alpha-Chlordane	2.3	U
5103-74-2-----	gamma-Chlordane	0.78	JP
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	44	U
11104-28-2-----	Aroclor-1221	90	U
11141-16-5-----	Aroclor-1232	44	U
53469-21-9-----	Aroclor-1242	44	U
12672-29-6-----	Aroclor-1248	44	U
11097-69-1-----	Aroclor-1254	44	U
11096-82-5-----	Aroclor-1260	44	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580182

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK05

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 36

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	16	U
74-83-9-----Bromomethane	16	U
75-01-4-----Vinyl Chloride	16	U
75-00-3-----Chloroethane	16	U
75-09-2-----Methylene Chloride	7	J
67-64-1-----Acetone	32	J
75-15-0-----Carbon Disulfide	16	U
75-35-4-----1,1-Dichloroethene	16	U
75-34-3-----1,1-Dichloroethane	16	U
540-59-0-----1,2-Dichloroethene (total)	16	U
67-66-3-----Chloroform	16	U
107-06-2-----1,2-Dichloroethane	16	U
78-93-3-----2-Butanone	4	J
71-55-6-----1,1,1-Trichloroethane	16	U
56-23-5-----Carbon Tetrachloride	16	U
75-27-4-----Bromodichloromethane	16	U
78-87-5-----1,2-Dichloropropane	16	U
10061-01-5-----cis-1,3-Dichloropropene	16	U
79-01-6-----Trichloroethene	16	U
124-48-1-----Dibromochloromethane	16	U
79-00-5-----1,1,2-Trichloroethane	16	U
71-43-2-----Benzene	16	U
10061-02-6-----trans-1,3-Dichloropropene	16	U
75-25-2-----Bromoform	16	U
108-10-1-----4-Methyl-2-Pentanone	16	UJ
591-78-6-----2-Hexanone	16	UJ
127-18-4-----Tetrachloroethene	16	U
79-34-5-----1,1,2,2-Tetrachloroethane	16	U
108-88-3-----Toluene	16	U
108-90-7-----Chlorobenzene	16	U
100-41-4-----Ethylbenzene	16	U
100-42-5-----Styrene	16	U
1330-20-7-----Xylene (total)	16	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X206

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580182

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0403BK05

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 36 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	X206
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580182</u>	
Sample wt/vol: <u>30.30</u> (g/mL) <u>G</u>	Lab File ID: <u>B0420E08</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: <u>36</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>04/03/95</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>04/21/95</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.2</u>	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>108-95-2-----Phenol</u>	<u>510</u>	<u>U</u>
<u>111-44-4-----bis(2-Chloroethyl)Ether</u>	<u>510</u>	<u>U</u>
<u>95-57-8-----2-Chlorophenol</u>	<u>510</u>	<u>U</u>
<u>541-73-1-----1,3-Dichlorobenzene</u>	<u>510</u>	<u>U</u>
<u>106-46-7-----1,4-Dichlorobenzene</u>	<u>510</u>	<u>U</u>
<u>95-50-1-----1,2-Dichlorobenzene</u>	<u>510</u>	<u>U</u>
<u>95-48-7-----2-Methylphenol</u>	<u>510</u>	<u>U</u>
<u>108-60-1-----2,2'-oxybis(1-Chloropropane)</u>	<u>510</u>	<u>U</u>
<u>106-44-5-----4-Methylphenol</u>	<u>510</u>	<u>U</u>
<u>621-64-7-----N-Nitroso-Di-n-Propylamine</u>	<u>510</u>	<u>U</u>
<u>67-72-1-----Hexachloroethane</u>	<u>510</u>	<u>U</u>
<u>98-95-3-----Nitrobenzene</u>	<u>510</u>	<u>U</u>
<u>78-59-1-----Isophorone</u>	<u>510</u>	<u>U</u>
<u>88-75-5-----2-Nitrophenol</u>	<u>510</u>	<u>U</u>
<u>105-67-9-----2,4-Dimethylphenol</u>	<u>510</u>	<u>U</u>
<u>111-91-1-----bis(2-Chloroethoxy)Methane</u>	<u>510</u>	<u>U</u>
<u>120-83-2-----2,4-Dichlorophenol</u>	<u>510</u>	<u>U</u>
<u>120-82-1-----1,2,4-Trichlorobenzene</u>	<u>510</u>	<u>U</u>
<u>91-20-3-----Naphthalene</u>	<u>510</u>	<u>U</u>
<u>106-47-8-----4-Chloroaniline</u>	<u>510</u>	<u>UJ</u>
<u>87-68-3-----Hexachlorobutadiene</u>	<u>510</u>	<u>U</u>
<u>59-50-7-----4-Chloro-3-Methylphenol</u>	<u>510</u>	<u>U</u>
<u>91-57-6-----2-Methylnaphthalene</u>	<u>510</u>	<u>U</u>
<u>77-47-4-----Hexachlorocyclopentadiene</u>	<u>510</u>	<u>U</u>
<u>88-06-2-----2,4,6-Trichlorophenol</u>	<u>510</u>	<u>U</u>
<u>95-95-4-----2,4,5-Trichlorophenol</u>	<u>1200</u>	<u>U</u>
<u>91-58-7-----2-Chloronaphthalene</u>	<u>510</u>	<u>U</u>
<u>88-74-4-----2-Nitroaniline</u>	<u>1200</u>	<u>U</u>
<u>131-11-3-----Dimethylphthalate</u>	<u>510</u>	<u>U</u>
<u>208-96-8-----Acenaphthylene</u>	<u>510</u>	<u>U</u>
<u>606-20-2-----2,6-Dinitrotoluene</u>	<u>510</u>	<u>U</u>
<u>99-09-2-----3-Nitroaniline</u>	<u>1200</u>	<u>U</u>
<u>83-32-9-----Acenaphthene</u>	<u>160</u>	<u>J</u>

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580182

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B0420E08

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 36 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/21/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1200 U
100-02-7-----	4-Nitrophenol	1200 U
132-64-9-----	Dibenzofuran	510 U
121-14-2-----	2,4-Dinitrotoluene	510 U
84-66-2-----	Diethylphthalate	510 U
7005-72-3-----	4-Chlorophenyl-phenylether	510 U
86-73-7-----	Fluorene	150 J
100-10-6-----	4-Nitroaniline	1200 U J
534-52-1-----	4,6-Dinitro-2-methylphenol	1200 U
86-30-6-----	N-Nitrosodiphenylamine (1)	510 U
101-55-3-----	4-Bromophenyl-phenylether	510 U
118-74-1-----	Hexachlorobenzene	510 U
87-86-5-----	Pentachlorophenol	1200 U J
85-01-8-----	Phenanthrene	1300
120-12-7-----	Anthracene	360 J
86-74-8-----	Carbazole	110 J
84-74-2-----	Di-n-Butylphthalate	220 J
206-44-0-----	Fluoranthene	2400
129-00-0-----	Pyrene	1500
85-68-7-----	Butylbenzylphthalate	510 U
91-94-1-----	3,3'-Dichlorobenzidine	510 U
56-55-3-----	Benzo(a)Anthracene	1400
218-01-9-----	Chrysene	1400
117-81-7-----	bis(2-Ethylhexyl)Phthalate	510 U J
117-84-0-----	Di-n-Octyl Phthalate	510 U
205-99-2-----	Benzo(b)Fluoranthene	1100
207-08-9-----	Benzo(k)Fluoranthene	980
50-32-8-----	Benzo(a)Pyrene	950
193-39-5-----	Indeno(1,2,3-cd)Pyrene	510 U
53-70-3-----	Dibenz(a,h)Anthracene	510 U
191-24-2-----	Benzo(g,h,i)Perylene	510 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X206

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580182

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: B0420E08

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 36 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS:

Number TICs found: 26

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.52	2700	J
2.	UNKNOWN	30.58	220	J
3.	UNKNOWN PNA	31.13	670	J
4.	UNKNOWN PNA	31.23	1300	J
5.	UNKNOWN PNA	31.42	760	J
6.	UNKNOWN PNA	31.55	380	J
7.	UNKNOWN PNA	31.82	300	J
8.	UNKNOWN PNA	31.92	310	J
9.	UNKNOWN	31.97	180	J
10.	UNKNOWN	32.15	330	J
11.	UNKNOWN	32.22	490	J
12.	UNKNOWN	32.57	120	J
13.	UNKNOWN	32.78	250	J
14.	UNKNOWN PNA	33.07	430	J
15.	UNKNOWN	33.18	1300	J
16.	UNKNOWN	33.38	230	J
17.	UNKNOWN	33.50	320	J
18.	UNKNOWN ALIP. HYDROCARBON	34.17	540	J
19.	UNKNOWN	34.43	200	J
20.	UNKNOWN	34.50	270	J
21.	UNKNOWN	34.80	290	J
22.	UNKNOWN PNA	35.17	650	J
23.	UNKNOWN ALIP. HYDROCARBON	35.25	720	J
24.	UNKNOWN	35.32	240	J
25.	UNKNOWN	35.68	290	J
26.	UNKNOWN PNA	37.97	2200	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580182

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 36 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	1.5	J	
319-85-7-----	beta-BHC	2.6	U	
319-86-8-----	delta-BHC	2.6	U	
58-89-9-----	gamma-BHC (Lindane)	2.6	U	
76-44-8-----	Heptachlor	2.6	U	
309-00-2-----	Aldrin	2.6	U	
1024-57-3-----	Heptachlor epoxide	2.6	U	
959-98-8-----	Endosulfan I	2.6	U	
60-57-1-----	Dieldrin	5.5	P	
72-55-9-----	4, 4'-DDE	5.1	U	
72-20-8-----	Endrin	41		
33213-65-9-----	Endosulfan II	15	P	
50-29-3-----	4, 4'-DDD	27	P	
1031-07-8-----	Endosulfan sulfate	8.2	P	
50-29-3-----	4, 4'-DDT	5.1	U	
72-43-5-----	Methoxychlor	26	U	
53494-70-5-----	Endrin ketone	5.1	U	
7421-36-3-----	Endrin aldehyde	5.1	U	
5103-71-9-----	alpha-Chlordane	2.6	U	
5103-74-2-----	gamma-Chlordane	2.6	U	
8001-35-2-----	Toxaphene	260	U	
12674-11-2-----	Aroclor-1016	51	U	
11104-28-2-----	Aroclor-1221	100	U	
11141-16-5-----	Aroclor-1232	51	U	
53469-21-9-----	Aroclor-1242	51	U	
12672-29-6-----	Aroclor-1248	51	U	
11097-69-1-----	Aroclor-1254	430		
11096-82-5-----	Aroclor-1260	660		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580183

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK06

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 24

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	13	U
74-83-9-----Bromomethane	13	U
75-01-4-----Vinyl Chloride	13	U
75-00-3-----Chloroethane	13	U
75-09-2-----Methylene Chloride	3	J
67-64-1-----Acetone	13	U J
75-15-0-----Carbon Disulfide	13	U
75-35-4-----1,1-Dichloroethene	13	U
75-34-3-----1,1-Dichloroethane	13	U
540-59-0-----1,2-Dichloroethene (total)	13	U
67-66-3-----Chloroform	13	U
107-06-2-----1,2-Dichloroethane	13	U
78-93-3-----2-Butanone	13	U J
71-55-6-----1,1,1-Trichloroethane	13	U
56-23-5-----Carbon Tetrachloride	13	U
75-27-4-----Bromodichloromethane	13	U
78-87-5-----1,2-Dichloropropane	13	U
10061-01-5-----cis-1,3-Dichloropropene	13	U
79-01-6-----Trichloroethene	13	U
124-48-1-----Dibromochloromethane	13	U
79-00-5-----1,1,2-Trichloroethane	13	U
71-43-2-----Benzene	13	U
10061-02-6-----trans-1,3-Dichloropropene	13	U
75-25-2-----Bromoform	13	U
108-10-1-----4-Methyl-2-Pentanone	13	U J
591-78-6-----2-Hexanone	13	U J
127-18-4-----Tetrachloroethene	13	U
79-34-5-----1,1,2,2-Tetrachloroethane	13	U
108-88-3-----Toluene	13	U
108-90-7-----Chlorobenzene	13	U
100-41-4-----Ethylbenzene	13	U
100-42-5-----Styrene	13	U
1330-20-7-----Xylene (total)	13	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X207

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580183

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0403BK06

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: not dec. 24 Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ILLINOIS EPA Contract: 0316550004
 Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181
 Matrix: (soil/water) SOIL Lab Sample ID: D580183
 Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0419E08
 Level: (low/med) LOW Date Received: 03/30/95
 % Moisture: 24 decanted: (Y/N) N Date Extracted: 04/03/95
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 1.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
108-95-2	Phenol	430 U
111-44-4	bis(2-Chloroethyl) Ether	430 U
95-57-8	2-Chlorophenol	430 U
541-73-1	1,3-Dichlorobenzene	430 U
106-46-7	1,4-Dichlorobenzene	430 U
95-50-1	1,2-Dichlorobenzene	430 U
95-48-7	2-Methylphenol	430 U
108-60-1	2,2'-oxybis(1-Chloropropane)	430 U
106-44-5	4-Methylphenol	430 U
621-64-7	N-Nitroso-Di-n-Propylamine	430 U
67-72-1	Hexachloroethane	430 U
98-95-3	Nitrobenzene	430 U
78-59-1	Isophorone	430 U
88-75-5	2-Nitrophenol	430 U
105-67-9	2,4-Dimethylphenol	430 U
111-91-1	bis(2-Chloroethoxy)Methane	430 U
120-83-2	2,4-Dichlorophenol	430 U
120-82-1	1,2,4-Trichlorobenzene	430 U
91-20-3	Naphthalene	430 U
106-47-8	4-Chloroaniline	430 U
87-68-3	Hexachlorobutadiene	430 U
59-50-7	4-Chloro-3-Methylphenol	430 U
91-57-6	2-Methylnaphthalene	430 U
77-47-4	Hexachlorocyclopentadiene	430 U
88-06-2	2,4,6-Trichlorophenol	430 U
95-95-4	2,4,5-Trichlorophenol	1000 U
91-58-7	2-Chloronaphthalene	430 U
88-74-4	2-Nitroaniline	1000 U
131-11-3	Dimethylphthalate	430 U
208-96-8	Acenaphthylene	430 U
606-20-2	2,6-Dinitrotoluene	430 U
99-09-2	3-Nitroaniline	1000 U
83-32-9	Acenaphthene	430 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ILLINOIS EPA Contract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580183Sample wt/vol: 30.10 (g/mL) GLab File ID: B0419E08Level: (low/med) LOWDate Received: 03/30/95% Moisture: 24 decanted: (Y/N) NDate Extracted: 04/03/95Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 04/20/95Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 1.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	430	U
121-14-2-----	2,4-Dinitrotoluene	430	U
84-66-2-----	Diethylphthalate	430	U
7005-72-3-----	4-Chlorophenyl-phenylether	430	U
86-73-7-----	Fluorene	430	U
100-10-6-----	4-Nitroaniline	1000	UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	430	U
101-55-3-----	4-Bromophenyl-phenylether	430	U
118-74-1-----	Hexachlorobenzene	430	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	230	J
120-12-7-----	Anthracene	430	U
86-74-8-----	Carbazole	430	U
84-74-2-----	Di-n-Butylphthalate	260	J
206-44-0-----	Fluoranthene	380	J
129-00-0-----	Pyrene	190	J
85-68-7-----	Butylbenzylphthalate	430	U
91-94-1-----	3,3'-Dichlorobenzidine	430	U
56-55-3-----	Benzo(a)Anthracene	150	J
218-01-9-----	Chrysene	320	J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	430	UJ
117-84-0-----	Di-n-Octyl Phthalate	430	U
205-99-2-----	Benzo(b)Fluoranthene	470	
207-08-9-----	Benzo(k)Fluoranthene	430	U
50-32-8-----	Benzo(a)Pyrene	110	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3-----	Dibenz(a,h)Anthracene	430	U
191-24-2-----	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X207

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580183

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: B0419E08

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 1.8

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.82	730	BJ
2.	UNKNOWN ALIP. KETONE	11.50	2100	BAJ
3.	UNKNOWN	12.50	880	J
4.	UNKNOWN	13.82	970	J
5.	UNKNOWN ALIP. HYDROCARBON	21.43	200	J
6.	UNKNOWN ALIP. HYDROCARBON	22.87	120	J
7.	UNKNOWN ALIP. HYDROCARBON	24.23	150	J
8.	UNKNOWN ALIP. HYDROCARBON	24.32	150	J
9.	UNKNOWN ALIP. HYDROCARBON	25.53	130	J
10.	UNKNOWN ALIP. HYDROCARBON	25.67	110	J
11.	UNKNOWN ALIP. HYDROCARBON	26.77	110	J
12.	UNKNOWN ALIP. ACID	27.48	550	J
13.	UNKNOWN ALIP. ALCOHOL	28.95	230	BJ
14.	UNKNOWN	29.83	150	J
15.	UNKNOWN ALIP. HYDROCARBON	30.13	130	J
16.	UNKNOWN	31.17	190	BJ
17.	UNKNOWN	32.17	190	J
18.	UNKNOWN	32.75	130	J
19.	UNKNOWN	33.13	540	BJ
20.	UNKNOWN ALIP. HYDROCARBON	35.18	190	J
21.	UNKNOWN PNA	39.13	360	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580183

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 1.8

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	4.3	U
72-55-9-----	4,4'-DDE	0.85	JP
72-20-8-----	Endrin	4.3	U
33213-65-9-----	Endosulfan II	4.3	U
50-29-3-----	4,4'-DDD	4.3	U
1031-07-8-----	Endosulfan sulfate	4.3	U
50-29-3-----	4,4'-DDT	7.2	
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	3.9	J
7421-36-3-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.2	U
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	87	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	43	U
11096-82-5-----	Aroclor-1260	43	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X208

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580184

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 21

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl Chloride	13	U
75-00-3-----	Chloroethane	13	U
75-09-2-----	Methylene Chloride	5	J
67-64-1-----	Acetone	16	J
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
540-59-0-----	1,2-Dichloroethene (total)	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	5	J
71-55-6-----	1,1,1-Trichloroethane	13	U
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloropropane	13	U
10061-01-5-----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6-----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-Pentanone	13	UJ
591-78-6-----	2-Hexanone	13	UJ
127-18-4-----	Tetrachloroethene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	U
108-88-3-----	Toluene	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Xylene (total)	13	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X208

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580184</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0403BK07</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: not dec. <u>21</u>	Date Analyzed: <u>04/03/95</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0316550004 X208

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580184

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0419E10

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 21 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>108-95-2-----Phenol</u>	<u>410</u>	<u>U</u>
<u>111-44-4-----bis(2-Chloroethyl) Ether</u>	<u>410</u>	<u>U</u>
<u>95-57-8-----2-Chlorophenol</u>	<u>410</u>	<u>U</u>
<u>541-73-1-----1,3-Dichlorobenzene</u>	<u>410</u>	<u>U</u>
<u>106-46-7-----1,4-Dichlorobenzene</u>	<u>410</u>	<u>U</u>
<u>95-50-1-----1,2-Dichlorobenzene</u>	<u>410</u>	<u>U</u>
<u>95-48-7-----2-Methylphenol</u>	<u>410</u>	<u>U</u>
<u>108-60-1-----2,2'-oxybis(1-Chloropropane)</u>	<u>410</u>	<u>U</u>
<u>106-44-5-----4-Methylphenol</u>	<u>410</u>	<u>U</u>
<u>621-64-7-----N-Nitroso-Di-n-Propylamine</u>	<u>410</u>	<u>U</u>
<u>67-72-1-----Hexachloroethane</u>	<u>410</u>	<u>U</u>
<u>98-95-3-----Nitrobenzene</u>	<u>410</u>	<u>U</u>
<u>78-59-1-----Isophorone</u>	<u>410</u>	<u>U</u>
<u>88-75-5-----2-Nitrophenol</u>	<u>410</u>	<u>U</u>
<u>105-67-9-----2,4-Dimethylphenol</u>	<u>410</u>	<u>U</u>
<u>111-91-1-----bis(2-Chloroethoxy)Methane</u>	<u>410</u>	<u>U</u>
<u>120-83-2-----2,4-Dichlorophenol</u>	<u>410</u>	<u>U</u>
<u>120-82-1-----1,2,4-Trichlorobenzene</u>	<u>410</u>	<u>U</u>
<u>91-20-3-----Naphthalene</u>	<u>410</u>	<u>U</u>
<u>106-47-8-----4-Chloroaniline</u>	<u>410</u>	<u>U</u>
<u>87-68-3-----Hexachlorobutadiene</u>	<u>410</u>	<u>U</u>
<u>59-50-7-----4-Chloro-3-Methylphenol</u>	<u>410</u>	<u>U</u>
<u>91-57-6-----2-Methylnaphthalene</u>	<u>410</u>	<u>U</u>
<u>77-47-4-----Hexachlorocyclopentadiene</u>	<u>410</u>	<u>U</u>
<u>88-06-2-----2,4,6-Trichlorophenol</u>	<u>410</u>	<u>U</u>
<u>95-95-4-----2,4,5-Trichlorophenol</u>	<u>1000</u>	<u>U</u>
<u>91-58-7-----2-Chloronaphthalene</u>	<u>410</u>	<u>U</u>
<u>88-74-4-----2-Nitroaniline</u>	<u>1000</u>	<u>U</u>
<u>131-11-3-----Dimethylphthalate</u>	<u>410</u>	<u>U</u>
<u>208-96-8-----Acenaphthylene</u>	<u>410</u>	<u>U</u>
<u>606-20-2-----2,6-Dinitrotoluene</u>	<u>410</u>	<u>U</u>
<u>99-09-2-----3-Nitroaniline</u>	<u>1000</u>	<u>U</u>
<u>83-32-9-----Acenaphthene</u>	<u>410</u>	<u>U</u>

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580184

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E10

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND			
51-28-5-----	2,4-Dinitrophenol	1000	U	
100-02-7-----	4-Nitrophenol	1000	U	
132-64-9-----	Dibenzofuran	410	U	
121-14-2-----	2,4-Dinitrotoluene	410	U	
84-66-2-----	Diethylphthalate	410	U	
7005-72-3-----	4-Chlorophenyl-phenylether	410	U	
86-73-7-----	Fluorene	410	U	
100-10-6-----	4-Nitroaniline	1000	U	R
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U	
101-55-3-----	4-Bromophenyl-phenylether	410	U	
118-74-1-----	Hexachlorobenzene	410	U	
87-86-5-----	Pentachlorophenol	1000	U	
85-01-8-----	Phenanthrene	410	U	
120-12-7-----	Anthracene	410	U	
86-74-8-----	Carbazole	410	U	
84-74-2-----	Di-n-Butylphthalate	230	J	
206-44-0-----	Fluoranthene	410	U	
129-00-0-----	Pyrene	410	U	
85-68-7-----	Butylbenzylphthalate	410	U	
91-94-1-----	3,3'-Dichlorobenzidine	410	U	
56-55-3-----	Benzo(a)Anthracene	410	U	
218-01-9-----	Chrysene	410	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	410	U	J
117-84-0-----	Di-n-Octyl Phthalate	410	U	
205-99-2-----	Benzo(b)Fluoranthene	410	U	
207-08-9-----	Benzo(k)Fluoranthene	410	U	
50-32-8-----	Benzo(a)Pyrene	410	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U	
53-70-3-----	Dibenz(a,h)Anthracene	410	U	
191-24-2-----	Benzo(g,h,i)Perylene	410	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X208

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580184

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E10

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.87	620	BJ
2.	UNKNOWN BROMO HEXANE	11.20	1400	J
3.	UNKNOWN	12.55	1600	J
4.	UNKNOWN ALIP. HYDROCARBON	12.73	420	J
5.	UNKNOWN	13.85	1500	J
6.	UNKNOWN ALIP. HYDROCARBON	14.77	690	J
7.	UNKNOWN ALIP. HYDROCARBON	16.88	460	J
8.	UNKNOWN ALIP. HYDROCARBON	17.90	390	J
9.	UNKNOWN ALIP. HYDROCARBON	18.37	810	J
10.	UNKNOWN ALIP. HYDROCARBON	19.98	790	J
11.	UNKNOWN ALIP. HYDROCARBON	20.93	560	J
12.	UNKNOWN ALIP. HYDROCARBON	21.50	850	J
13.	UNKNOWN ALIP. HYDROCARBON	22.93	620	J
14.	UNKNOWN ALIP. HYDROCARBON	23.62	530	J
15.	UNKNOWN ALIP. HYDROCARBON	24.30	1100	J
16.	UNKNOWN ALIP. HYDROCARBON	24.38	1300	J
17.	UNKNOWN ALIP. HYDROCARBON	25.60	600	J
18.	UNKNOWN ALIP. HYDROCARBON	25.73	750	J
19.	UNKNOWN ALIP. HYDROCARBON	26.82	650	J
20.	UNKNOWN ALIP. ACID	27.55	470	J
21.	UNKNOWN ALIP. HYDROCARBON	28.00	430	J
22.	UNKNOWN ALIP. HYDROCARBON	29.12	580	J
23.	UNKNOWN ALIP. HYDROCARBON	30.20	490	J
24.	UNKNOWN ALIP. HYDROCARBON	31.23	610	J
25.	UNKNOWN ALIP. HYDROCARBON	32.23	490	J
26.	UNKNOWN ALIP. HYDROCARBON	33.20	1000	J
27.	UNKNOWN ALIP. HYDROCARBON	34.17	460	J
28.	UNKNOWN ALIP. HYDROCARBON	35.25	760	J
29.	UNKNOWN	36.17	310	J
30.	UNKNOWN ALIP. HYDROCARBON	37.98	900	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580184

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/21/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	1.2	JP
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	0.35	JP
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	1.4	JP
72-20-8-----	Endrin	1.1	JP
33213-65-9-----	Endosulfan II	4.1	U
50-29-3-----	4,4'-DDD	5.2	
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-36-3-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	84	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	41	U
11096-82-5-----	Aroclor-1260	21	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580185

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK08

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 25

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl Chloride	13	U
75-00-3-----	Chloroethane	13	U
75-09-2-----	Methylene Chloride	55	
67-64-1-----	Acetone	13	UJ
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
540-59-0-----	1,2-Dichloroethene (total)	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	13	UJ
71-55-6-----	1,1,1-Trichloroethane	18	
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloroproppane	13	U
10061-01-5-----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6-----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-Pentanone	13	UJ
591-78-6-----	2-Hexanone	13	UJ
127-18-4-----	Tetrachloroethene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	U
108-88-3-----	Toluene	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Xylene (total)	13	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X501

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0316550004</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>ALLIED</u>	SAS No.: _____ SDG No.: <u>580181</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D580185</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0403BK08</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>03/30/95</u>	
% Moisture: not dec. <u>25</u>	Date Analyzed: <u>04/03/95</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580185

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND			
108-95-2-----	Phenol	440	U	
111-44-4-----	bis(2-Chloroethyl)Ether	440	U	
95-57-8-----	2-Chlorophenol	440	U	
541-73-1-----	1,3-Dichlorobenzene	440	U	
106-46-7-----	1,4-Dichlorobenzene	440	U	
95-50-1-----	1,2-Dichlorobenzene	440	U	
95-48-7-----	2-Methylphenol	440	U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	U	
106-44-5-----	4-Methylphenol	440	U	
621-64-7-----	N-Nitroso-Di-n-Propylamine	440	U	
67-72-1-----	Hexachloroethane	440	U	
98-95-3-----	Nitrobenzene	440	U	
78-59-1-----	Isophorone	440	U	
88-75-5-----	2-Nitrophenol	440	U	
105-67-9-----	2,4-Dimethylphenol	440	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U	
120-83-2-----	2,4-Dichlorophenol	440	U	
120-82-1-----	1,2,4-Trichlorobenzene	440	U	
91-20-3-----	Naphthalene	440	U	
106-47-8-----	4-Chloroaniline	440	U	
87-68-3-----	Hexachlorobutadiene	440	U	
59-50-7-----	4-Chloro-3-Methylphenol	440	U	
91-57-6-----	2-Methylnaphthalene	440	U	
77-47-4-----	Hexachlorocyclopentadiene	440	U	
88-06-2-----	2,4,6-Trichlorophenol	440	U	
95-95-4-----	2,4,5-Trichlorophenol	1100	U	
91-58-7-----	2-Chloronaphthalene	440	U	
88-74-4-----	2-Nitroaniline	1100	U	
131-11-3-----	Dimethylphthalate	440	U	
208-96-8-----	Acenaphthylene	440	U	
606-20-2-----	2,6-Dinitrotoluene	440	U	
99-09-2-----	3-Nitroaniline	1100	U	
83-32-9-----	Acenaphthene	440	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580185

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-10-6-----	4-Nitroaniline	1100	UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	680	
120-12-7-----	Anthracene	93	J
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-Butylphthalate	280	J
206-44-0-----	Fluoranthene	850	
129-00-0-----	Pyrene	550	
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)Anthracene	560	
218-01-9-----	Chrysene	590	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	440	UJ
117-84-0-----	Di-n-Octyl Phthalate	440	U
205-99-2-----	Benzo(b)Fluoranthene	830	
207-08-9-----	Benzo(k)Fluoranthene	440	U
50-32-8-----	Benzo(a)Pyrene	400	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U
53-70-3-----	Dibenz(a,h)Anthracene	440	U
191-24-2-----	Benzo(g,h,i)Perylene	440	U

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-10-6-----	4-Nitroaniline	1100	UR
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	680	
120-12-7-----	Anthracene	93	J
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-Butylphthalate	280	J
206-44-0-----	Fluoranthene	850	
129-00-0-----	Pyrene	550	
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)Anthracene	560	
218-01-9-----	Chrysene	590	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	440	UJ
117-84-0-----	Di-n-Octyl Phthalate	440	U
205-99-2-----	Benzo(b)Fluoranthene	830	
207-08-9-----	Benzo(k)Fluoranthene	440	U
50-32-8-----	Benzo(a)Pyrene	400	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U
53-70-3-----	Dibenz(a,h)Anthracene	440	U
191-24-2-----	Benzo(g,h,i)Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0316550004

X501

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580185

Sample wt/vol: 30.20 (g/mL) G

Lab File ID: B0419E09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.82	800	BJ
2.	UNKNOWN ALIP. KETONE	11.53	1000	BAJ
3.	UNKNOWN	12.50	3200	J
4.	UNKNOWN	13.80	1700	J
5.	UNKNOWN ALIP. ACID	27.48	440	J
6.	UNKNOWN ALIP. HYDROCARBON	29.08	350	J
7.	UNKNOWN ALIP. HYDROCARBON	30.15	440	J
8.	UNKNOWN	30.55	310	J
9.	UNKNOWN PNA	31.10	190	J
10.	UNKNOWN	31.20	500	BJ
11.	UNKNOWN PNA	31.52	140	J
12.	UNKNOWN	31.57	140	J
13.	UNKNOWN	31.82	100	J
14.	UNKNOWN	31.93	110	J
15.	UNKNOWN ALIP. HYDROCARBON	32.18	550	J
16.	UNKNOWN	32.53	200	J
17.	UNKNOWN	32.75	180	J
18.	UNKNOWN	33.15	1200	BJ
19.	UNKNOWN	33.35	130	J
20.	UNKNOWN	33.48	280	J
21.	UNKNOWN	33.68	190	J
22.	UNKNOWN ALIP. HYDROCARBON	34.12	500	J
23.	UNKNOWN	34.47	300	J
24.	UNKNOWN	34.75	190	J
25.	UNKNOWN	35.20	380	J
26.	UNKNOWN	35.65	300	J
27.	UNKNOWN ALIP. HYDROCARBON	36.45	170	J
28.	UNKNOWN	37.10	140	J
29.	UNKNOWN PNA	37.90	890	J
30.	UNKNOWN PNA	39.15	650	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580185

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: _____

% Moisture: 25 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.3

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

319-84-6-----	alpha-BHC	2.3	U
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	U
58-89-9-----	gamma-BHC (Lindane)	2.3	U
76-44-8-----	Heptachlor	0.13	JP
309-00-2-----	Aldrin	2.3	U
1024-57-3-----	Heptachlor epoxide	0.21	JP
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	4.4	U
72-55-9-----	4,4'-DDE	4.4	U
72-20-8-----	Endrin	4.4	U
33213-65-9-----	Endosulfan II	4.4	U
50-29-3-----	4,4'-DDD	4.4	U
1031-07-8-----	Endosulfan sulfate	4.4	U
50-29-3-----	4,4'-DDT	4.4	U
72-43-5-----	Methoxychlor	23	U
53494-70-5-----	Endrin ketone	4.4	U
7421-36-3-----	Endrin aldehyde	4.4	U
5103-71-9-----	alpha-Chlordane	2.3	U
5103-74-2-----	gamma-Chlordane	1.6	JP
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	44	U
11104-28-2-----	Aroclor-1221	89	U
11141-16-5-----	Aroclor-1232	44	U
53469-21-9-----	Aroclor-1242	44	U
12672-29-6-----	Aroclor-1248	44	U
11097-69-1-----	Aroclor-1254	44	U
11096-82-5-----	Aroclor-1260	44	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X502

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580186

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0403BK09

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: not dec. 19

Date Analyzed: 04/03/95

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	19	
67-64-1-----	Acetone	12	U J
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U J
71-55-6-----	1,1,1-Trichloroethane	7	J
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U J
591-78-6-----	2-Hexanone	12	U J
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (total)	12	U

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	19	
67-64-1-----	Acetone	12	U J
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U J
71-55-6-----	1,1,1-Trichloroethane	7	J
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U J
591-78-6-----	2-Hexanone	12	U J
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (total)	12	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X502

Lab Name: ILLINOIS EPAContract: 0316550004Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181Matrix: (soil/water) SOILLab Sample ID: D580186Sample wt/vol: 5.0 (g/mL) GLab File ID: C0403BK09Level: (low/med) LOWDate Received: 03/30/95% Moisture: not dec. 19Date Analyzed: 04/03/95GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X502

Lab Name: ILLINOIS EPA Contract: 0316550004

Lab Code: SPFLD Case No.: ALLIED SAS No.: _____ SDG No.: 580181

Matrix: (soil/water) SOIL Lab Sample ID: D580186

Sample wt/vol: 30.00 (g/mL) G Lab File ID: B0420E07

Level: (low/med) LOW Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
---------	----------	-----------------	-------	---

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl)Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	990	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	990	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	990	U
83-32-9-----	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X502

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580186

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: B0420E07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	990	U
100-02-7-----	4-Nitrophenol	990	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-10-6-----	4-Nitroaniline	990	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	990	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	990	UJ
85-01-8-----	Phenanthrene	290	J
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	UJ
84-74-2-----	Di-n-Butylphthalate	150	J
206-44-0-----	Fluoranthene	540	
129-00-0-----	Pyrene	350	J
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	310	J
218-01-9-----	Chrysene	500	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	410	UJ
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	570	
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	180	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X502

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580186

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: B0420E07

Level: (low/med) LOW

Date Received: 03/30/95

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 04/03/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 04/20/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.3

CONCENTRATION UNITS:

Number TICs found: 24

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.88	400	BJ
2.	UNKNOWN ALIP. KETONE	11.57	1400	BAJ
3.	UNKNOWN	13.87	720	J
4.	UNKNOWN	21.40	98	J
5.	UNKNOWN ALIP. HYDROCARBON	21.48	120	J
6.	UNKNOWN ALIP. HYDROCARBON	24.38	140	J
7.	UNKNOWN ALIP. ACID	27.53	360	J
8.	UNKNOWN	29.15	98	J
9.	UNKNOWN PNA	31.23	320	J
10.	UNKNOWN	31.57	110	J
11.	UNKNOWN	31.98	150	J
12.	UNKNOWN	32.80	200	J
13.	UNKNOWN	33.20	480	BJ
14.	UNKNOWN	33.40	150	J
15.	UNKNOWN	34.77	110	J
16.	UNKNOWN	35.70	120	J
17.	UNKNOWN	37.87	190	J
18.	UNKNOWN	37.98	570	J
19.	UNKNOWN	38.52	130	J
20.	UNKNOWN PNA	39.23	490	J
21.	UNKNOWN	40.32	310	J
22.	UNKNOWN	41.45	270	J
23.	UNKNOWN	43.08	460	J
24.	UNKNOWN	45.27	400	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X502

Lab Name: ILLINOIS EPA

Contract: 0316550004

Lab Code: SPFLD

Case No.: ALLIED

SAS No.: _____

SDG No.: 580181

Matrix: (soil/water) SOIL

Lab Sample ID: D580186

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N

Date Received: 03/30/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 04/03/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/20/95

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 3.3

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC	0.76	JP
319-85-7-----beta-BHC	2.1	U
319-86-8-----delta-BHC	2.1	U
58-89-9-----gamma-BHC (Lindane)	2.1	U
76-44-8-----Heptachlor	2.1	U
309-00-2-----Aldrin	2.1	U
1024-57-3-----Heptachlor epoxide	2.1	U
959-98-8-----Endosulfan I	2.1	U
60-57-1-----Dieldrin	1.6	JP
72-55-9-----4,4'-DDE	4.1	U
72-20-8-----Endrin	4.1	U
33213-65-9-----Endosulfan II	4.1	U
50-29-3-----4,4'-DDD	11	
1031-07-8-----Endosulfan sulfate	4.1	P
50-29-3-----4,4'-DDT	58	P
72-43-5-----Methoxychlor	21	U
53494-70-5-----Endrin ketone	12	P
7421-36-3-----Endrin aldehyde	4.1	U
5103-71-9-----alpha-Chlordane	2.1	U
5103-74-2-----gamma-Chlordane	2.0	JP
8001-35-2-----Toxaphene	210	U
12674-11-2-----Aroclor-1016	41	U
11104-28-2-----Aroclor-1221	82	U
11141-16-5-----Aroclor-1232	41	U
53469-21-9-----Aroclor-1242	41	U
12672-29-6-----Aroclor-1248	41	U
11097-69-1-----Aroclor-1254	41	U
11096-82-5-----Aroclor-1260	160	

INORGANIC ANALYSIS DATA SHEET

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503719
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 53.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9380		P	
7440-36-0	Antimony	9.3	U	P	
7440-38-2	Arsenic	7.4		FM	
7440-39-3	Barium	93.9		P	
7440-41-7	Beryllium	0.79	B	P	
7440-43-9	Cadmium	1.4	U	P	
7440-70-2	Calcium	42800		P	
7440-47-3	Chromium	65.2		P	
7440-48-4	Cobalt	6.0	B	P	
7440-50-8	Copper	37.3	N,*	P	J
7439-89-6	Iron	20900	*	P	J
7439-92-1	Lead	98.5	N,*	P	J
7439-95-4	Magnesium	12200		P	
7439-96-5	Manganese	1790		P	
7439-97-6	Mercury	0.10	B	AV	
7440-02-2	Nickel	24.0	N,*	P	J
7440-09-7	Potassium	1280	B	P	J
7782-49-2	Selenium	1.72	U	W	FM
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	210	B		P
7440-28-0	Thallium	0.38	B		FM
7440-62-2	Vanadium	31.7			P
7440-66-6	Zinc	259	N,*	P	J
	Cyanide	0.94	U	CA	
				AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
 Color After: BROWN Clarity After: CLOUDY Artifacts: ROOTS
 Comments:

INORGANIC ANALYSIS DATA SHEET

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503720
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 89.2-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10800			P
7440-36-0	Antimony	10.6			P
7440-38-2	Arsenic	20.6			FM
7440-39-3	Barium	146			P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	14.7	SC		P
7440-70-2	Calcium	13500	13500		P
7440-47-3	Chromium	2660			P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	151	N,*		P
7439-89-6	Iron	122000	*		P
7439-92-1	Lead	374	N,*		P
7439-95-4	Magnesium	25600			P
7439-96-5	Manganese	36700			P
7439-97-6	Mercury	0.37			AV
7440-02-2	Nickel	90.7	N,*		P
7440-09-7	Potassium	748	B SC		P
7782-49-2	Selenium	1.3	1.1	BU	FM
7440-22-4	Silver	4.9			P
7440-23-5	Sodium	319	B		P
7440-28-0	Thallium	0.22	U W		FM
7440-62-2	Vanadium	168			P
7440-66-6	Zinc	460	N,*		P
	Cyanide	1.1			CA
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
 Color After: GRAY Clarity After: CLOUDY Artifacts:
 Comments:

INORGANIC ANALYSIS DATA SHEET

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503721
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -62.5-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	354		P	
7440-36-0	Antimony	16.2		P	
7440-38-2	Arsenic	24.0		FM	
7440-39-3	Barium	701		P	
7440-41-7	Beryllium	0.24	U	P	
7440-43-9	Cadmium	1.2	U	P	
7440-70-2	Calcium	35600		P	
7440-47-3	Chromium	11.8		P	
7440-48-4	Cobalt	4.5	B	P	
7440-50-8	Copper	23.8	N,*	P	J
7439-89-6	Iron	37300	*	P	J
7439-92-1	Lead	1110	N,*	P	J
7439-95-4	Magnesium	88.3	B	P	
7439-96-5	Manganese	44.2		P	
7439-97-6	Mercury	3.8		AV	
7440-02-2	Nickel	8.8	B-N,*	P	J
7440-09-7	Potassium	395	U	P	J
7782-49-2	Selenium	7.1	S	FM	
7440-22-4	Silver	3.6	S	P	
7440-23-5	Sodium	297	B	P	
7440-28-0	Thallium	0.34	U	FM	
7440-62-2	Vanadium	5.6	B	P	
7440-66-6	Zinc	59.2	N,*	P	J
	Cyanide	1.6		CA	
				AS	

Color Before: RED Clarity Before: OPAQUE Texture: MEDIUM

Color After: BROWN Clarity After: OPAQUE Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: -126
 Matrix (Soil): Lab Sample ID: -B503722
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -80.5-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	495		P	
7440-36-0	Antimony	12.5		P	
7440-38-2	Arsenic	19.2		FM	
7440-39-3	Barium	339		P	
7440-41-7	Beryllium	0.20	U	P	
7440-43-9	Cadmium	3.0		P	
7440-70-2	Calcium	133	B	P	
7440-47-3	Chromium	23.1		P	
7440-48-4	Cobalt	4.2	B	P	
7440-50-8	Copper	28.0	N,*	P	J
7439-89-6	Iron	33900	*	P	J
7439-92-1	Lead	1570	N,*	P	J
7439-95-4	Magnesium	97.6	B	P	
7439-96-5	Manganese	387		P	
7439-97-6	Mercury	7.27		AV	
7440-02-2	Nickel	9.7	N,*	P	J
7440-09-7	Potassium	395	B	P	J
7782-49-2	Selenium	188		FM	
7440-22-4	Silver	8.7		P	
7440-23-5	Sodium	64.2	B	P	
7440-28-0	Thallium	0.66	B, W	FM	J
7440-62-2	Vanadium	5.6	B	P	
7440-66-6	Zinc	602	N,*	P	J
	Cyanide	1.2		CA	
				AS	

Color Before: RED Clarity Before: OPAQUE Texture: MEDIUM
 Color After: BROWN Clarity After: OPAQUE Artifacts:
 Comments:

INORGANIC ANALYSIS DATA SHEET

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503723
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 80.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	635			P
7440-36-0	Antimony	13.6			P
7440-38-2	Arsenic	21.4			FM
7440-39-3	Barium	361			P
7440-41-7	Beryllium	1.9	19	U	P
7440-43-9	Cadmium	0.94		U	P
7440-70-2	Calcium	282		B	P
7440-47-3	Chromium	29.3			P
7440-48-4	Cobalt	3.2		B	P
7440-50-8	Copper	27.9		N,*	P
7439-89-6	Iron	37800		*	P
7439-92-1	Lead	2760		N,*	P
7439-95-4	Magnesium	103		B	P
7439-96-5	Manganese	386			P
7439-97-6	Mercury	7.5			AV
7440-02-2	Nickel	3.7	B	N,*	P
7440-09-7	Potassium	496		B	P
7782-49-2	Selenium	67.3		S	FM
7440-22-4	Silver	8.7			P
7440-23-5	Sodium	59.4		B	P
7440-28-0	Thallium	0.99		U	FM
7440-62-2	Vanadium	6.1		B	P
7440-66-6	Zinc	144		N,*	P
	Cyanide	0.62		U	CA
					AS

Color Before: RED Clarity Before: OPAQUE Texture: MEDIUM

Color After: BROWN Clarity After: OPAQUE Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503724
 Level (Low/Med): Date Received:
 % Solids: -78.3-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6190		P	
7440-36-0	Antimony	8.3	B	P	
7440-38-2	Arsenic	44.3		FM	
7440-39-3	Barium	52.2		P	
7440-41-7	Beryllium	0.49	B	P	
7440-43-9	Cadmium	2.2		P	
7440-70-2	Calcium	49600		P	
7440-47-3	Chromium	39.4		P	
7440-48-4	Cobalt	16.0		P	
7440-50-8	Copper	32.8	N,*	P	J
7439-89-6	Iron	52800	*	P	J
7439-92-1	Lead	171	N,*	P	J
7439-95-4	Magnesium	24000		P	
7439-96-5	Manganese	3340		P	
7439-97-6	Mercury	0.29		AV	
7440-02-2	Nickel	22.1	N,*	P	J
7440-09-7	Potassium	787	B	P	J
7782-49-2	Selenium	0.24	U	W	FM J
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	296	B		P
7440-28-0	Thallium	0.24	U		FM
7440-62-2	Vanadium	39.8		P	
7440-66-6	Zinc	1290	N,*	P	J
	Cyanide	0.64	U	CA	
				AS	

Color Before: —BROWN— Clarity Before: —OPAQUE— Texture: MEDIUM—
 Color After: —GRAY— Clarity After: —OPAQUE— Artifacts: —
 Comments: _____

INORGANIC ANALYSIS DATA SHEET

X201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503725
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -54.9-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1360		P	
7440-36-0	Antimony	17.3		P	
7440-38-2	Arsenic	6.1	+	FM	J
7440-39-3	Barium	248		P	
7440-41-7	Beryllium	0.27	U	P	
7440-43-9	Cadmium	1.4	U	P	
7440-70-2	Calcium	334000		P	
7440-47-3	Chromium	22.0		P	
7440-48-4	Cobalt	5.4	B	P	
7440-50-8	Copper	16.0	N,*	P	J
7439-89-6	Iron	6500	*	P	J
7439-92-1	Lead	93.9	N,*	P	J
7439-95-4	Magnesium	6720		P	
7439-96-5	Manganese	598		P	
7439-97-6	Mercury	0.05	B	AV	
7440-02-2	Nickel	3.8	U	N,*	P
7440-09-7	Potassium	446	U	P	J
7782-49-2	Selenium	0.60	U	W	FM J
7440-22-4	Silver	1.6	U	P	
7440-23-5	Sodium	271	B	P	
7440-28-0	Thallium	0.37	U	FM	
7440-62-2	Vanadium	5.1	B	P	
7440-66-6	Zinc	144	N,*	P	J
	Cyanide	0.91	U	CA	
				AS	

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM
 Color After: LT. YELLOW Clarity After: CLEAR Artifacts:
 Comments:

INORGANIC ANALYSIS DATA SHEET

X202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503726
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 80.3

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2200		P	
7440-36-0	Antimony	9.4	B	P	
7440-38-2	Arsenic	7.5		FM	
7440-39-3	Barium	76.8		P	
7440-41-7	Beryllium	0.25	U	P	
7440-43-9	Cadmium	1.2	U	P	
7440-70-2	Calcium	78100		P	
7440-47-3	Chromium	105		P	
7440-48-4	Cobalt	4.3	B	P	
7440-50-8	Copper	22.2	N,*	P	J
7439-89-6	Iron	17400	*	P	J
7439-92-1	Lead	118	N,*	P	J
7439-95-4	Magnesium	14200		P	
7439-96-5	Manganese	2100		P	
7439-97-6	Mercury	0.04	B	AV	
7440-02-2	Nickel	11.2	N,*	P	J
7440-09-7	Potassium	408	U	P	J
7782-49-2	Selenium	1.2	U	W	FM J
7440-22-4	Silver	1.5	U	P	
7440-23-5	Sodium	183	B	P	
7440-28-0	Thallium	0.25	U	FM	
7440-62-2	Vanadium	26.2		P	
7440-66-6	Zinc	190	N,*	P	J
	Cyanide	0.62	U	CA	
				AS	

Color Before: BROWN Clarity Before: OPAQUE Texture: MEIDUM

Color After: COLORLESS Clarity After: OPAQUE Artifacts:

Comments:

FORM I - IN
SOIL

ILM03.0

B000016

03/95

INORGANIC ANALYSIS DATA SHEET

X203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503727
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -53.8-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4550		P	
7440-36-0	Antimony	21.3		P	
7440-38-2	Arsenic	29.9		FM	
7440-39-3	Barium	268		P	
7440-41-7	Beryllium	0.28	U	P	
7440-43-9	Cadmium	14.2		P	
7440-70-2	Calcium	229000		P	
7440-47-3	Chromium	20.0		P	
7440-48-4	Cobalt	4.4	B	P	
7440-50-8	Copper	159	N,*	P	J
7439-89-6	Iron	14100	*	P	J
7439-92-1	Lead	1240	N,*	P	J
7439-95-4	Magnesium	8850		P	
7439-96-5	Manganese	620		P	
7439-97-6	Mercury	0.38		AV	
7440-02-2	Nickel	12.9	N,*	P	J
7440-09-7	Potassium	462	U	P	J
7782-49-2	Selenium	0.56	E/U	W	FM J
7440-22-4	Silver	1.7	U	P	
7440-23-5	Sodium	1730		P	
7440-28-0	Thallium	0.37	U	W	FM J
7440-62-2	Vanadium	8.8	B	P	
7440-66-6	Zinc	8790	N,*	P	J
	Cyanide	0.93	U	CA	
				AS	

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM
 Color After: BROWN Clarity After: CLOUDY Artifacts:
 Comments:

INORGANIC ANALYSIS DATA SHEET

X204

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503728
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -76.1-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1690			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	4.2			FM
7440-39-3	Barium	45.6			P
7440-41-7	Beryllium	0.21	U		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	67200			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	2.5	U		P
7440-50-8	Copper	5.3	B	N,*	P
7439-89-6	Iron	5290		*	P
7439-92-1	Lead	23.0		*	FM
7439-95-4	Magnesium	9470			P
7439-96-5	Manganese	367			P
7439-97-6	Mercury	0.03	U		AV
7440-02-2	Nickel	3.0	U	N,*	P
7440-09-7	Potassium	348	U		P
7782-49-2	Selenium	0.25	U	W	FM
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	155	B		P
7440-28-0	Thallium	0.25	U		FM
7440-62-2	Vanadium	6.1	B		P
7440-66-6	Zinc	83.0		N,*	P
	Cyanide	0.66	U		CA
					AS

Color Before: —BROWN— Clarity Before: —OPAQUE— Texture: MEDIUM
 Color After: —YELLOW— Clarity After: —CLEAR— Artifacts: _____
 Comments: _____

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03/95

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INORGANIC ANALYSIS DATA SHEET

X205

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503713
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 73.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1890		P	
7440-36-0	Antimony	7.7	U	P	
7440-38-2	Arsenic	4.2		FM	
7440-39-3	Barium	49.6		P	
7440-41-7	Beryllium	0.23	U	P	
7440-43-9	Cadmium	1.1	U	P	
7440-70-2	Calcium	70100		P	
7440-47-3	Chromium	14.7		P	
7440-48-4	Cobalt	2.7	U	P	
7440-50-8	Copper	5.3	B N,*	P	J
7439-89-6	Iron	6840	*	P	J
7439-92-1	Lead	82.9	*	FM	
7439-95-4	Magnesium	9880		P	
7439-96-5	Manganese	484		P	
7439-97-6	Mercury	0.03	B	AV	J
7440-02-2	Nickel	5.6	B N,*	P	J
7440-09-7	Potassium	371	U	P	J
7782-49-2	Selenium	0.22	U W	FM	J
7440-22-4	Silver	1.4	U	P	
7440-23-5	Sodium	190	B	P	
7440-28-0	Thallium	0.22	U	FM	
7440-62-2	Vanadium	6.6	B	P	
7440-66-6	Zinc	85.9	N,* J	P	J
	Cyanide	0.74	N,*	CA	
				AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
 Color After: COLORLESS Clarity After: CLEAR Artifacts:
 Comments:

INORGANIC ANALYSIS DATA SHEET

X206

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503714
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 61.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2690			P
7440-36-0	Antimony	15.0			P
7440-38-2	Arsenic	141			FM
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	2300			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	12.6			P
7440-50-8	Copper	159	N,*		P
7439-89-6	Iron	81900	*		P
7439-92-1	Lead	14100	N,*		P
7439-95-4	Magnesium	4700			P
7439-96-5	Manganese	466			P
7439-97-6	Mercury	2.4			AV
7440-02-2	Nickel	16.8	* N		P
7440-09-7	Potassium	406	B - N		P
7782-49-2	Selenium	10.1	S		FM
7440-22-4	Silver	2.7			P
7440-23-5	Sodium	541	B		P
7440-28-0	Thallium	0.30	U - W		FM
7440-62-2	Vanadium	11.8			P
7440-66-6	Zinc	1270	N,*		P
	Cyanide	0.81	U	CA	
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: COURSE
 Color After: YELLOW Clarity After: CLEAR Artifacts: COURSE / --
 Comments: ROCKS

INORGANIC ANALYSIS DATA SHEET

X207

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503715
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 76.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	395		P	
7440-36-0	Antimony	13.1	B	P	
7440-38-2	Arsenic	74.5		FM	
7440-39-3	Barium	41.6	B	P	
7440-41-7	Beryllium	0.23	U	P	
7440-43-9	Cadmium	1.2	U	P	
7440-70-2	Calcium	16800		P	
7440-47-3	Chromium	5.5		P	
7440-48-4	Cobalt	5.7	B	P	
7440-50-8	Copper	14.6	N,*	P	J
7439-89-6	Iron	90700	*	P	
7439-92-1	Lead	146	N,*	P	J
7439-95-4	Magnesium	105	B	P	
7439-96-5	Manganese	194		P	
7439-97-6	Mercury	0.19		AV	J
7440-02-2	Nickel	3.2	U	N,*	J
7440-09-7	Potassium	523	B	P	J
7782-49-2	Selenium	0.49	B	W	FM J
7440-22-4	Silver	2.1	B		
7440-23-5	Sodium	498	B		
7440-28-0	Thallium	0.25	U	W	FM J
7440-62-2	Vanadium	14.3		P	
7440-66-6	Zinc	60.6	N,*	P	J
	Cyanide	0.65	U	CA	
				AS	

Color Before: RED Clarity Before: OPAQUE Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

X208

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503716
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 35.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7480		P	
7440-36-0	Antimony	16.1	U	P	
7440-38-2	Arsenic	155		FM	
7440-39-3	Barium	171		P	
7440-41-7	Beryllium	0.82	B	P	
7440-43-9	Cadmium	14.1		P	
7440-70-2	Calcium	79600		P	
7440-47-3	Chromium	36.4		P	
7440-48-4	Cobalt	12.3	B	P	
7440-50-8	Copper	286	N,*	P	J
7439-89-6	Iron	51700	*	P	J
7439-92-1	Lead	473	N,*	P	J
7439-95-4	Magnesium	9060		P	
7439-96-5	Manganese	706		P	
7439-97-6	Mercury	1.4		AV	J
7440-02-2	Nickel	46.2	N,*	P	J
7440-09-7	Potassium	776	U	P	J
7782-49-2	Selenium	4.6	+	FM	J
7440-22-4	Silver	2.8	U	P	
7440-23-5	Sodium	2340	B	P	
7440-28-0	Thallium	1.3	B	FM	
7440-62-2	Vanadium	44.7		P	
7440-66-6	Zinc	3890	N,*	P	J
	Cyanide	2.8		CA	
				AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

X501

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503717
 Level (Low/Med): Date Received: 03/30/95
 % Solids: 75.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200		P	
7440-36-0	Antimony	15.2		P	
7440-38-2	Arsenic	342		FM	
7440-39-3	Barium	180		P	
7440-41-7	Beryllium	1.2		P	
7440-43-9	Cadmium	24.4		P	
7440-70-2	Calcium	9970		P	
7440-47-3	Chromium	15.4		P	
7440-48-4	Cobalt	23.0		P	
7440-50-8	Copper	22000	N,*	P	J
7439-89-6	Iron	50400	*	P	J
7439-92-1	Lead	3130	N,*	P	J
7439-95-4	Magnesium	1630		P	
7439-96-5	Manganese	344		P	
7439-97-6	Mercury	3.81		AV	J
7440-02-2	Nickel	13.3	N,*	P	J
7440-09-7	Potassium	1560		P	J
7782-49-2	Selenium	2.84	S	FM	
7440-22-4	Silver	10.7		P	
7440-23-5	Sodium	2440		P	
7440-28-0	Thallium	4.20	S	FM	
7440-62-2	Vanadium	17.2		P	
7440-66-6	Zinc	1450	N,*	P	J
	Cyanide	0.66	0.06	U	CA
					AS

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM
 Color After: BROWN Clarity After: OPAQUE Artifacts:
 Comments:

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INORGANIC ANALYSIS DATA SHEET

X502

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: ALLIED CHEMICAL
 Lab Code: Case No.: SAS No.: SDG No.: 126
 Matrix (Soil): Lab Sample ID: B503718
 Level (Low/Med): Date Received: 03/30/95
 % Solids: -81.7-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	566			P
7440-36-0	Antimony	12.9			P
7440-38-2	Arsenic	33.0			FM
7440-39-3	Barium	100			P
7440-41-7	Beryllium	0.18	U		P
7440-43-9	Cadmium	0.92	U		P
7440-70-2	Calcium	29100			P
7440-47-3	Chromium	2.6			P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	4.6	B	N,*	P
7439-89-6	Iron	80100		*	P
7439-92-1	Lead	177		N,*	P
7439-95-4	Magnesium	373	B		P
7439-96-5	Manganese	181			P
7439-97-6	Mercury	0.29			AV
7440-02-2	Nickel	2.6	U	N,*	P
7440-09-7	Potassium	303	U		P
7782-49-2	Selenium	0.50	B	W	FM
7440-22-4	Silver	2.8			P
7440-23-5	Sodium	165	B		P
7440-28-0	Thallium	0.25	U		FM
7440-62-2	Vanadium	8.6	B		P
7440-66-6	Zinc	58.2		N,*	P
	Cyanide	0.61	U		CA
					AS

Color Before: RED Clarity Before: OPAQUE Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments: